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Robert B. Toth, Editor

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Profiles of National Standards-Related Activities

Robert B. Toth, Editor

Office of Standards Services
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FOREWORD

The National Institute of Standards and Technology's (NIST) has developed a wide range of reference publications which provide ready access to information about organizations responsible for standards development, product certification, and accreditation. While most of these focus on U.S. activities (e.g., *Directory of Private Sector Product Certification Programs*, and *Standards Activities of Organizations in the United States*), some compile information on international or regional organizations (e.g., *Directory of European Regional Standards-Related Organizations*). These directories are very useful to domestic enterprises, and are often-used references outside the United States.

With the expanding global economy, there is an increasing demand from the private sector and government agencies throughout the world for details on metrology and calibration systems, accreditation bodies, and certifying organizations of current and potential trading partners. In many countries, no single body is responsible for all aspects of metrology, standards, testing, and quality (MSTQ); and a wide range of public and private sector organizations may be involved. Obtaining authoritative information can be difficult and time-consuming since there is no single worldwide database of MSTQ activities. To fill this void, NIST has prepared *Profiles of National Standards-Related Activities*.

Users will find in one place a wealth of information about the MSTQ systems of the world's major economies and many less-developed countries. Perusal of the entries will demonstrate that there are many different models for national MSTQ systems. For the first time the information gathered in one place provides names and addresses of a country's metrology center and legal metrology agency; its primary standards and quality organizations; government and private sector accreditors of calibration and testing laboratories; product certifiers; quality and environmental management system registrars; information sources and many other aspects of the country's industrial infrastructure. When all the descriptive information for a country is considered, a clearer picture emerges of the state of development of that country's MSTQ system.

This is the first edition of this directory. Some countries did not respond to requests for information, while others did not provide all the information requested. As this directory becomes more widely used, we trust that existing entries will be updated and expanded and that countries not yet included will submit entries.

ACKNOWLEDGMENTS

More than 200 organizations verified information and submitted additional data for this directory. Special thanks are due Dr. Lawrence D. Eicher, Secretary General of the International Organization for Standardization, for making available data ISO had accumulated from its member bodies, and Carl J. Dahlman, of the World Bank, who first identified the need for this directory.

Maureen Breitenberg ably coordinated and monitored this project for NIST's Office of Standards Services. Special thanks are due the staff of R. B. Toth Associates, who compiled this directory under contract to NIST. In particular, Mary Ellen Hinkley managed all aspects of information gathering and processing.

Robert B. Toth
Editor

ABSTRACT

This directory describes the metrology, standardization, testing, and quality (MSTQ) activities of more than 70 countries. Each entry includes basic data on the country's economy and trade; agencies and institutions responsible for metrology and calibration, standards development, testing, product certification, quality and environmental system registration and accreditation; and key contacts and information sources. Entries are formatted to facilitate access to specific information. An introductory section provides general information on development of the directory and an overview of world-wide MSTQ activities.

Keywords: accreditation; calibration; certification; conformity assessment; metrology; mutual recognition agreements; registration; standards; testing;

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INTRODUCTION

As the world moves toward a global economy driven by rapid technological change, standards and conformity assessment have become strategic business issues. Most nations recognize that an effective industrial infrastructure includes not only ready access to capital, energy, and transportation, but the systems and institutions which support metrology, standardization, testing, and quality (MSTQ). The ability to compete in global markets is directly related not only to the availability of MSTQ resources, but the credibility of certification programs, calibration systems, environmental management registration, and accreditation schemes. Attention to MSTQ issues has expanded from coteries of technical specialists to the board rooms of major corporations, conclaves of heads of state, and the front pages of business and financial journals. A basic problem for both experienced technical specialists and those newly involved in MSTQ issues is identifying the responsible MSTQ organizations within the countries in which they are planning to do business. At times it can be difficult identifying these organizations even within their own countries. This directory aims to alleviate this problem by providing information on the primary institutions or agencies which are responsible for, or coordinate, national MSTQ activities.

Scope and Format

This directory profiles the MSTQ systems of the world's major economies and many less-developed countries. The entries are based on information from a wide range of sources together with information provided by the principals. Rather than providing a questionnaire with a request to fill in the blanks, a draft entry was prepared from existing data sources in accordance with the format presented in Appendix I. Each organization received only those sections of the draft entry for which it has responsibility. Recipients were asked to verify or correct the information and, if necessary, coordinate with other organizations within their country to ensure that all relevant national organizations were listed. Entries or portions of entries were sent to more than 300 organizations. Many organizations did not respond despite numerous reminders. Nevertheless, more than 200 responses were received; and the information presented here is the best available at this time. As this directory becomes widely circulated, it is anticipated that missing information will be provided so that all entries will be complete, and those countries which chose not to be included will reconsider and submit entries.

Each entry is formatted into the following sections, and key information is highlighted to facilitate access:

<u>Basic Data</u>
To enable readers to put the MSTQ information into context, each entry includes comparative data on the country's size and population, basic financial indicators, and primary exports, imports, and trading partners. Most of the data in this section are extracted from the 1995 Central Intelligence Agency (CIA) *World Factbook*, supplemented by data from the World Bank and the U.S. Department of Commerce. As with most data of this type, these are cumulative data which

are one to two years old at time of publication and should, therefore, be used only as relative indicators of each country's capabilities and capacities.

National MSTQ Coordination

Recipients were asked to identify the organization which coordinates, or provides the forum for coordinating, standards-related activities at the national level.

Metrology and Calibration Services

One indicator of a nation's capability to produce manufactured goods of uniform quality, deliver the quantities ordered, and comply with quality system registration and laboratory accreditation criteria is the capability and capacity of its metrology and calibration services. Memberships in the International Bureau of Weights and Measures (BIPM), International Organization of Legal Metrology (OIML), and regional metrology networks provide some measure of experience, proficiency, and knowledge of current practices. Budgetary information and the number of accredited secondary calibration laboratories are not only useful indicators, but can help all countries to benchmark their existing or planned metrology systems.

Standards Development and Adoption

Much of the information in this section had been collected in prior years by the International Organization for Standardization (ISO) from its member bodies and published every four or five years in the ISO *Memento*. ISO had decided to forego publishing the 1996 edition and the accumulated data were made available for this directory. Each ISO member body received a copy of the reformatted data for verification and updating. It was also asked to indicate the number of other government and private sector standards developers within its country and the total number of available standards. The total number of publicly available standards is the combined total of: (a) all standards developed or adopted by the primary (national) standards body; and (b) all other standards developed by other national organizations. Participation in international and regional standardization organizations is listed for each country. Membership may be held by an agency or organization other than the primary standards body.

Testing and Product Certification

This section lists the accreditors of testing laboratories and product certifiers and the number of laboratories and certifiers which have been accredited. In many cases, respondents provided information on existing and pending mutual recognition agreements (MRAs) and memoranda of understanding (MOUs).

Quality Management Registration

This section provides indicators on the extent to which ISO 9001 and ISO 9002 have been implemented, and further insight on the country's accreditation system including certification of quality assessors.

Related Information

Many countries require that certain standards-related activities be performed by certified technicians or accredited organizations. Others provide opportunities for voluntary certification. This section summarizes information on these requirements and the responsible organizations. Additionally, information is provided on environmental management standards and their implementation, and the primary source of information on MSTQ topics. This source is usually the designated World Trade Organization (WTO) Enquiry Point. If the country is not a member of WTO or has not notified the WTO as to the Enquiry point, the source is identified as the Information Center.

An Overview

Gathering related MSTQ information in one location provides an opportunity to consider the national frameworks within which the responsible organizations function and their interrelationship. The most noteworthy observation is that among the listed countries the focus for policy, direction, and coordination has shifted from the primary standards body to the national accrediting authority. The WTO agreement on Technical Barriers to Trade has provided the impetus to create an efficient, transparent, fair and harmonized means of international acceptance of traded goods. To support domestic industries and promote trade, countries have established, or are in the process of establishing, a national infrastructure for accrediting testing and calibration laboratories; inspection bodies; and certifiers of products, personnel, quality systems, and other standards-related activities. Nations are implementing the concept of "one-step conformity assessment" not only to minimize costs, but to achieve recognition by other nations. The national accrediting authority fills the need for a recognized body empowered to formalize agreements with regional organizations and other nations. This development, which centers on the implementation of standards rather than on their preparation, coupled with the enhanced role of regional and international standards organizations, has prompted some primary standards bodies to reassess their role and organizational structure. In many cases, the national accrediting authority is also the national MSTQ coordinator or part of the government agency which serves as the coordinator. Half of the listed countries identified a national body which coordinates or oversees MSTQ activities. Nearly all of these organizations are government agencies. Four members of the European Union have such coordinating bodies: Austria, Belgium, Italy, and the United Kingdom. Canada, Mexico, and the United States did not identify MSTQ coordinating bodies.

Most countries have centralized standardization systems within a single standards body. However, it may be a surprise to some that the standardization systems in many countries are not monolithic. Some of the larger countries have numerous standards developing organizations in addition to the primary standards body. In Germany, for example, 153 private sector standards developers have prepared 15 000 standards, while Deutsches Institut für Normung (DIN) has prepared 22 000. In Japan, more than 200 trade associations and professional societies prepare standards within the Japanese Industrial Standards Committee (JISC) framework. In France, 30

semi-autonomous sectorial bodies (bureaux de normalisation) prepare industry-specific standards, while Association française de normalisation (AFNOR) prepares cross-cutting horizontal standards. In the United States, it is estimated that there are 620 formal and informal developers of standards in the private sector, as well as 80 Federal agencies which develop standards (See NIST SP 806, 1996 Edition).

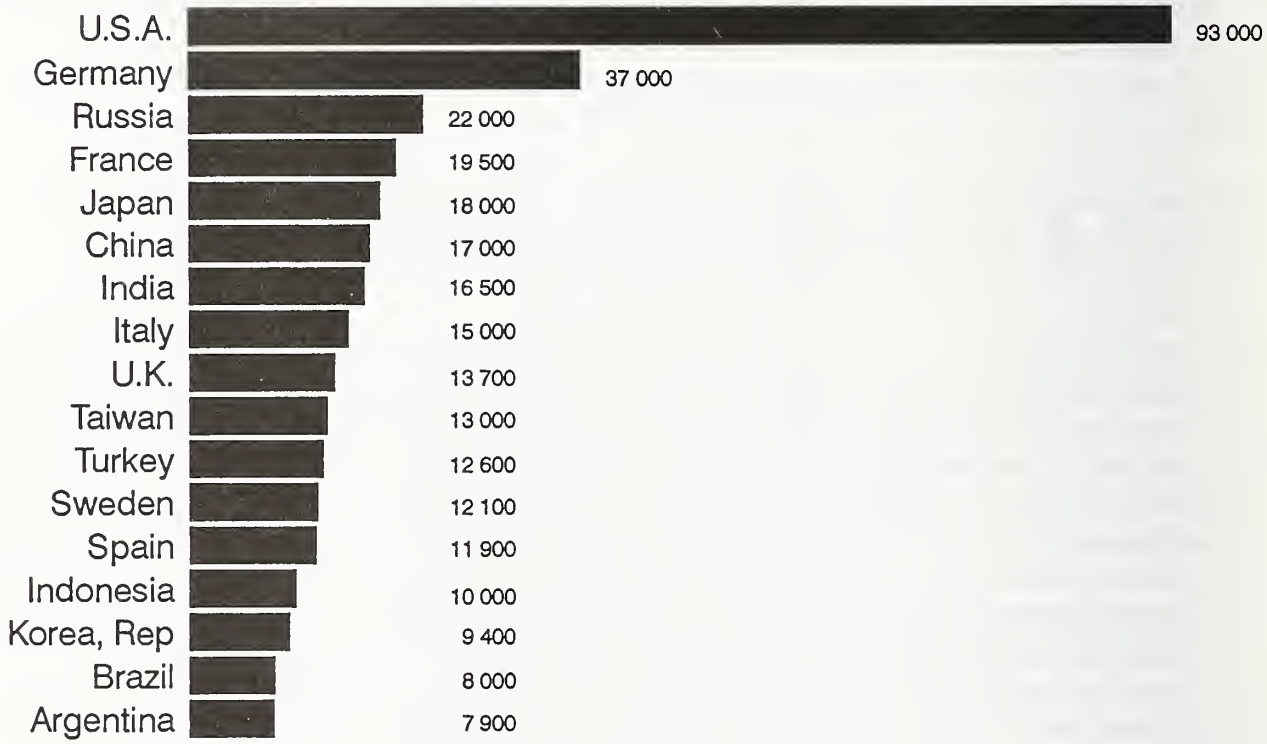

Figure 1. Some of the world's larger collections of national standards.

Figure 1 compares the number of standards in some of the major collections in the world. (Countries formerly associated with the Soviet bloc generally have large numbers of standards, e.g., Ukraine 21 000, Belarus 19 000, Poland 15 400, Bulgaria 13 000.) The U.S. total includes 8000 Department of Defense standards for uniquely military applications. These should be subtracted from the total for comparisons with the totals of other nations. The number of available standards, however, is not necessarily indicative of their level of implementation or their value to industry and commerce. Some claim that in spite of 5-year reviews, 25 to 30 percent of U.S. standards refer to and document obsolescent technology that, while appropriate for spares and maintenance of older equipment, is no longer appropriate for new designs. This situation probably exists in many other countries.

The number of national standards reported by all respondents exceeds 560 500. The total number of standards published by those ISO member bodies which did not respond is 90 600. On this basis, and taking into account (a) the under-reporting of standards prepared by national organizations other than the ISO member body, and (b) national standards of countries which are not yet members of ISO, it is estimated that there are currently about 780 000 national standards in the world. It is probable that a significant portion are very similar to each other. Those responding report that from 5 to 90 percent of their national standards are identical to, technically equivalent to, or based on international standards; the average is 43 percent.

There are insufficient data from the larger countries to derive useful indicators on the number of secondary calibration laboratories, accredited testing laboratories, or product certifiers. Table 1 illustrates the wide range of data in these categories. There appears to be some correlation between the number of enterprises registered to ISO 9000 and the number of calibration laboratories as shown in Table 2.

Table 1. Comparison of accredited laboratories in selected countries

Country	GDP $ billions	Accredited Laboratories	
		Calibration	Testing
United Kingdom	1045	570	
Italy	998	72	
Brazil	886	65	70
Mexico	723	36	214
Indonesia	571	19	10
Australia	375	200	2328
Taiwan	257		100
South Africa	194		86
Malaysia	167	18	71
Sweden	163		380
Switzerland	148		145
Finland	82		66
Singapore	57		70
Ireland	49	12	57

Table 2. Comparison of the number of facilities registered to ISO 9001 and 9002 and the number of accredited secondary calibration laboratories

Country	ISO 9000 Facilities	Accredited Calibration Labs
United Kingdom	50 000	570
Australia	10 000	200
Italy	4 000	72
Ireland	2 500	12
Brazil	1 250	65
Malaysia	836	18
Mexico	340	36
Indonesia	38	19

Future Updates

The value of a directory of this type is dependent on the completeness and currency of its information. Now that MSTQ institutions and agencies throughout the world can see the product and test its usefulness, it is hoped that they will keep NIST advised of any changes in their entries. They are particularly encouraged to provide the full range of data that will enable users to have a complete profile of their MSTQ activities. Users are also encouraged to suggest improvements for subsequent editions. Organizations that are not included in this directory are invited to use the form in Appendix I to send pertinent information to:

National Institute of Standards and Technology
Office of Standards Services
Bldg.. 820, Room 280
Gaithersburg, Maryland 20899
Fax: (301) 963-2871
e-mail: maureen.breitenberg@nist.gov
Internet website: http://www.nist.gov

This directory will in the near future be available on the Internet. The Web site will include forms so that listed organizations can update their entries, and new entries can be submitted by those not yet listed.

Argentina

BASIC DATA

Land area: 2 736 690 sq km; comparative area: slightly less than three-tenths the size of the US
Population: 34 292 000; growth rate 1.11%; labor force: 10.9 million; literacy 95%, age 15 and over
GDP: $270.8 billion; real growth rate: 6%; national product per capita: $7990
Exports: $15.7 billion; meat, wheat, corn, oilseed, manufactures; partners: US 12%, Brazil, Italy, Japan, Netherlands
Imports: $21.4 billion; machinery, chemicals, metals, fuels and lubricants, agricultural products; partners: US 22%, Brazil, Germany, Bolivia, Japan, Italy, Netherlands

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NATIONAL MSTQ COORDINATION

1.1 Department of Industry
Argentine Ministry of Economy, Public Works, and Services
Av. Julio A. Roca 651
1322 Buenos Aires

Tel. (54-1) 349-4351

This is a government body

METROLOGY AND CALIBRATION SERVICES

Primary laboratory and national coordinator

2.1 Departamento de Físcica y Metrología
Instituto Nacional de Tecnologia Industrial
Av. Leandro N. Além 1067, 7 piso
1001 - Buenos Aires

Tel. (54-1) 313-3368; Fax (54-1) 313-2130
Internet: inti@inticc.edu.ar

This is a government body
Participate in: SIM

Accreditor

2.2 Organismo Argentino de Acreditación
Address same as 2.1

Tel. (54-1) 313-3013; Fax (54-1) 313-2130

This is a private sector organization
Number of accredited secondary calibration labs nine

Legal metrology administrator

2.3 Same as 2.1

STANDARDS DEVELOPMENT AND ADOPTION

Primary standards body

3.1 Instituto Argentino de Normalizacion
Chile 1192
1098 Buenos Aires

Tel. (54-1) 383-3751; Fax (54-1) 383-8463
Internet: postmaster@iram.org.ar

This is a private sector organization
Participate in: ISO. Regional: COPANT, MERCOSUR, FTAA, CMN
Founded 1935; staff 111; total number of committee members: 3000
Annual budget: $4 million; Portion of revenue from sales of publications and services 15%; certification 55%; private sector subscription 30%
Total number of publicly available standards: 7900
Number of standards published or approved by primary standards body: 7900; voluntary 95%; mandatory 5%. Identical to, technically equivalent, or based on international standards: 60%

TESTING AND PRODUCT CERTIFICATION

National coordinator of laboratory accreditation

4.1 Same as 2.2

This is a private sector organization
Participate in: ILAC, IAF; Regional: MERCOSUR

Private-sector accreditor of testing laboratories

4.2 Same as 2.2

Number of accredited testing laboratories 2
Number of accredited product certifiers: government agencies and institutions - no response; private sector - one in process
Countries with product certification MOUs: Brazil

Government accreditor of product certifiers:

4.3 no response

Private - sector accreditor of product certifiers:

4.4 Same as 2.2

QUALITY MANAGEMENT REGISTRATION

Coordinator national quality awareness and implementation

5.1 Same as 1.1

Number of facilities registered to ISO 9001 or ISO 9002 or national equivalents: 170
Number of registrars geographically located in Argentina 17. Number of registrars accredited by the national accreditor - 3 in process

National accreditor of quality management system registrars

5.2 Same as 2.2

Countries with quality registration MOUs - None
Participate in: ISO/TC 176

Certifier of quality assessors

5.3 Same as 2.2

RELATED INFORMATION

Certification of MSTQ related services are listed here

	Voluntary	Mandatory	
A	☒	☐	Third-party technical inspection organizations
B	☒	☐	Welders
C	☒	☐	Non-destructive testing technicians
D	☐	☐	Quality Assessor certification bodies
E	☐	☐	Quality Assessor training providers
F	☐	☐	Quality training providers
G	☐	☐	Quality consultants
H	☐	☐	Other

Responsible certifying organizations are
6.1 A: Same as 2.2

6.2 B: Same as 3.1

6.3 C: Det Nordske Veritas

Environmental management systems
National standards exist. Number of facilities at which these standards are implemented - No response

WTO Enquiry Point

6.4 Secretaría de Industria y Comercio Exterior
Dirección Nacional de Negociaciones
Económicas y Comerciales
Av. Julio A. Roca 651 - 4 piso, sector 1
1322 Buenos Aires

Tel. (54-1) 349-4039; Fax (54-1) 349-4038

A list of all mandatory standards is available in Spanish
A list of all publicly available standards is available in Spanish

Australia

BASIC DATA

Land area: 7 617 930 sq km; comparative area: slightly smaller than the US
Population: 18 322 000; growth rate 1.31%; labor force: 8.63 million; literacy 100%, age 15 and over
GDP: $375 billion; real growth rate: 6.4%; national product per capita: $20 720
Exports: $50.4 billion; coal, gold, meat, wool, alumina, wheat, machinery and transport equipment; partners: Japan 25%, US 11%, South Korea 6%, New Zealand 5.7%
Imports: $51.1 billion; machinery and transport equipment, computers and office machines, crude oil and petroleum products; partners: US 23%, Japan 18%, UK 6%, Germany 5.7%, New Zealand 4%

NATIONAL MSTQ COORDINATION

1.1 None identified

METROLOGY AND CALIBRATION SERVICES

National coordinator

2.1.1
National Standards Commission
P.O. Box 282
North Ryde, N.S.W. 2113

Tel. (61-2) 888-3922; Fax (61-2) 888-3033

Primary laboratory

2.1.2
National Measurement Laboratory
Bradfield Road
West Lindfield N.S.W. 2070

Fax: (61-2) 413-7631

This is a government body

Accreditor

2.2 National Association of Testing Authorities, Australia (NATA)
7 Leeds Street
Rhodes, N.S.W. 2138

Tel. (61-2) 736-8222; Fax (61-2) 743-5311
Internet: http://www.aaa.com.au/nata

This is a private sector organization
Number of accredited secondary calibration labs 200

Legal metrology administrator

2.3 Same as 2.1

Member of OIML; Regional: APLMF

STANDARDS DEVELOPMENT AND ADOPTION

Primary standards body

3.1 Standards Australia
P.O. Box 1055
Strathfield N.S.W. 2135

Tel. (61-2) 746-4700; Fax (61-2) 746-8450
Internet: intsect@saa.sa.telememo.au

Participate in: ISO, IEC, ITU, FAO/Codex. Regional: APEC, PASC, ACCSQ
Founded 1922; staff 309; total number of committee members: 9000
Annual budget: $10.7 million; portion of revenue from sales of publications and services 69%; private sector subscription 9%; government subvention 14%; other 8%
Number of standards published or approved by primary standards body: 5400; voluntary 70%; mandatory 30%.

TESTING AND PRODUCT CERTIFICATION

National coordinator of laboratory accreditation

4.1 Same as 2.2

This is a private sector organization.
Participate in : International: ILAC; Regional: APLAC
Countries with test and calibration MRAs: USA, UK, New Zealand, Hong Kong, Sweden, Netherlands and Singapore. An MRA with the European Cooperation for Accreditation Laboratories (EAL) covers testing laboratories in 12 countries. MRA for calibration laboratories is being finalized.

Private-sector accreditor of testing laboratories

4.2 Same as 2.2

Number of accredited testing laboratories: 2328

Private - sector accreditor of product certifiers

4.3 Joint Accreditation System of Australian and New Zealand (JAS-ANZ)
P.O. Box 164
Civic Square, A.C.T. 2608

Tel. (61-6) 276-1999; Fax (61-6) 276-2041
Internet: jhulbert@dist.gov.au

Countries with product certification system MOUs: USA

QUALITY MANAGEMENT REGISTRATION

Coordinator national quality awareness and implementation

5.1 The Australian Organization for Quality
P.O. Box 123
Flemington Markets, N.S.W. 2129

Tel. (61-2) 746-2411; Fax (61-2) 746-2377

Number of facilities registered to ISO 9001 or ISO 9002 or national equivalents: 10 000
Number of registrars geographically located in Australia 17. Number of registrars accredited by the national accreditor: 14

National accreditor of quality management system registrars

5.2 Same as 2.2

Tel. (61-6) 276-1999; Fax (61-6) 276-2041
Internet: jhulbert@dist.gov.au

Countries with quality registration MOUs or MRAs: Japan, Netherlands, Korea, Malaysia, EAC, US
Participate in: ISO/TC 176, CASCO, IAF, PAC, IATCA

Certifier of quality assessors

5.3 Quality Society of Australiasia
P.O. Box 742
Crows Nest, N.S.W. 2065

Tel. (61-2) 9901-9944; Fax (61-2) 9901-4677

This is a private sector organization

RELATED INFORMATION

Certification of MSTQ related services are listed here

	Voluntary	Mandatory	
A	☒	☐	Third-party technical inspection organizations
B	☐	☐	Welders
C	☒	☐	Non-destructive testing technicians
D	☒	☐	Quality Assessor certification bodies
E	☒	☐	Quality Assessor training providers
F	☒	☐	Quality training providers
G	☐	☐	Quality consultants
H	☐	☐	Other

Responsible certifying organizations are
6.1 A, C, D, E and F: Same as 2.2

Environmental management systems
National interim standards exist. Number of facilities at which these standards are implemented: 40. Number of EMS registrars geographically located in Australia: 9; Number of EMS registrars accredited by the national accreditor: pilot program being conducted

National accreditor of environmental management system registrars

6.2 Same as 2.2

WTO Enquiry Point

6.3 Trade Obligations Section (GTO)
Trade Negotiations and Organisations Division
Department of Foreign Affairs and Trade
Canberra
A.C.T. 2600

Tel. (61-6)261-3037; Fax (61-6) 273-1527

A list of all mandatory standards is not available
A list of all publicly available standards is not available

Austria

BASIC DATA

Land area: 82 730 sq km; comparative area: slightly smaller than Maine
Population: 7 987 000; growth rate 0.35%;
labor force: 3.47 million; literacy 100%, age 15 and over
GDP: $139.3 billion; real growth rate: 2.5%; national product per capita: $17 500
Exports: $44.1 billion; machinery, iron and steel, lumber, textiles, paper products, chemicals; partners: EU 63.5% (Germany 38.9%), EFTA 9%, Eastern Europe 12.3%, Japan 1.5%, US 3.4%
Imports: $53.8 billion; petroleum, foodstuffs, machinery, vehicles, chemicals, textiles and clothing, pharmaceuticals; partners: EU 66.8% (Germany 41.3%), EFTA 6.7%, Eastern Europe 7.5%, Japan 4.4%, US 4.4%

NATIONAL MSTQ COORDINATION

1.1 Federal Ministry for Economic Affairs
Section IX/2
Stubenring 1
A-1011 Wien

Tel. (43-1) 71102 Fax: (43-1) 714-3582

This is a government body

METROLOGY AND CALIBRATION SERVICES

Legal metrology administrator

2.1 Gruppe Eichwesen
Bundesamt für Eich- und Vermessungswesen
Postfach 20
Arltgasse 35
A-1163 Wien

Tel. (43-1) 491101; Fax (43-1) 492-0875

STANDARDS DEVELOPMENT AND ADOPTION

Primary standards body

3.1 Austrian Standards Institute
Heinestrasse 38
Postfach 130
A-1021 Wien

Tel. (43-1) 21300; Fax (43-1) 2130-0650
Internet: iro@tbxa.telecom.at

This is a private sector organization
Participate in: ISO, IEC, ITU, FAO/Codex. Regional: CEN, CENELEC
Founded 1920; staff 111; total number of committee members: 7700
Annual budget $19.5 million; portion of revenue from sales of publications and services 53%; certification and testing 1.4%; private sector subscription 2.2%; government subvention 7%
Total number of publicly available standards 7500
Number of standards published or approved by primary standards body 7500; voluntary 88.5%; mandatory 11.5%. Identical to, technically equivalent, or based on international standards - no response

TESTING AND PRODUCT CERTIFICATION

National coordinator of laboratory accreditation

4.1 Same as 1.1

This is a government body
Participate in : Regional: EAL, EAC

Government accreditor of testing laboratories

4.2 Same as 1.1
No data provided

Number of EU recognized Notified Bodies - No response
Private-sector accreditor of testing laboratories - None

Government accreditor of product certifiers

4.3 Same as 1.1

Private - sector accreditor of product certifiers - None

QUALITY MANAGEMENT REGISTRATION

Coordinator national quality awareness and implementation

5.1 Same as 1.1

Number of facilities registered to ISO 9001 or ISO 9002 or national equivalents: 1200
Number of registrars geographically located in Austria
6. Number of registrars accredited by the national accreditor: 3

National accreditor of quality management system registrars

5.2 Same as 1.1

Countries with quality registration MOUs or MRAs: No information provided
Foreign quality system registrars are not required to be registered/listed by the national accreditor

Certifier of quality assessors - None

RELATED INFORMATION

Certification of MSTQ related services are listed here

	Voluntary	Mandatory	
A	☒	☒	Third-party technical inspection organizations
B	☒	☒	Welders
C	☒	☐	Non-destructive testing technicians
D	☒	☐	Quality Assessor certification bodies
E	☒	☐	Quality Assessor training providers
F	☒	☐	Quality training providers
G	☐	☐	Quality consultants
H	☐	☐	Other

Responsible certifying organizations are
6.1 A: FMEA
Same as 1.1

6.2.1
B: INDUZERT
4020 Linz
Voest-Alpine-Strasse 3

6.2.2
B: SZA
Arsenal. Objckt 207
1030 Wien

6.2.3
B: WIFI Osterreich
Wiedner Hauptstrasse 63
1045 Wien

6.2.4
B: OGIZP
Krugerstrasse 16
1015 Wien

6.2.5
B: bfi-CERT
8700 Leoben
Kappenstrasse 7

6.3 C: Same as: 6.2.4

6.4 D, E: ÖQS
Tel. (43-1) 533-3050 Fax (43-1) 533-3050-9

6.5 F: ÖVA
Tel. (43-1) 533-3052 Fax (43-1) 533-3050-9

National accreditor of environmental management system registrars

6.6 Same as 1.1

This is a government body
Participate in: ISO/TC 207; Regional: EMAS
Environmental management systems standards do not exist

WTO Enquiry Points

6.7.1
For technical regulations and certification systems:
Federal Ministry for Economic Affairs
Division I/6
Stubenring 1
A-1011 Wien
Tel. (43-1) 71100/ext.5452; Fax (43-1) 715-9651

Tel. (43-1) 71100/ext.5452; Fax (43-1) 715-9651

6.7.2

For nongovernmental standards:
Same as 3.1

A list of all mandatory standards is available in German
A list of all publicly available standards is available in German and English

Belgium

BASIC DATA

Land area: 30 230 sq km; comparative area: slightly larger than Maryland
Population: 10 million; growth rate 0.17%; labor force: 4.13 million
GDP: $181.5 billion; real growth rate: 2.3%; national product per capita: $18 040
Exports: $17 billion; iron and steel, transportation equipment, tractors, diamonds, petroleum products; partners: EU 75.5%, US 3.7%
Imports: $120 billion; fuels, grains, chemicals, foodstuffs; partners: EU 73%, US 4.8%, oil exporters 4%

NATIONAL MSTQ COORDINATION

1.1 Conseil National D'Accreditation et de Certification
c/o Ministère des Affaires Economiques Secrétariat
North Gate III
Boulevard Emile Jacqmain 154
B - 1000 Bruxelles

Tel. (32-2) 206-4721; Fax (32-2) 206-5744

This is a government body

METROLOGY AND CALIBRATION SERVICES

Primary laboratory and national coordinator

2.1 Service de la Metrologie
Address same as 1.1

Tel. (32-2) 206-4735; Fax (32-2) 206-5745

This is a government body
Member BIPM; Regional: EUROMET

Accreditor

2.2 Belgium Organization for Certification (BELCERT)
Address same as 1.1

Tel. (32-2)206-4685; Fax (32-2) 206-5745

Number of accredited secondary calibration labs 14
Participate in: EAL

Legal metrology administrator

2.3 Same as 2.1

Tel. (32-2)206-4735; Fax (32-2)206-5745

This is a government body
Member OIML since start; Regional: WELMEC

STANDARDS DEVELOPMENT AND ADOPTION

Primary standards body:

3.1 Institut Belge de Normalisation
Av. de la Brabançonne 29
B - 1000 Bruxelles

Tel. (32-2) 738-0111; Fax (32-2) 733-4264
Internet: instituut Normalisation@pophost.eunet.be

This is a parastatal affiliated with the Ministry of Economy
Participate in: ISO, IEC, ITU, FAO/Codex; Regional: CEN, CENELEC, EOTC, EOQ, ETSI
Founded 1946; staff 42; total number of committee members: 6000
Annual budget: $0.5 million; portion of revenue from sales of publications and services 30%; private sector subscription 20%; government subvention 33%
Total number of publicly available standards: 8545
Number of standards published or approved by primary standards body: 7 342; voluntary 99%; mandatory 1%. Number of standards bodies: national government 1; private sector 1. Identical to, technically equivalent, or based on international standards: 90%

TESTING AND PRODUCT CERTIFICATION

National coordinator of laboratory accreditation

4.1 Same as 1.1

Tel. (32-2)206-4680; Fax (32-2) 206-5742

This is a government body
Participate in: EAL

Government accreditor of testing laboratories

4.2 Same as 4.1

Number of government accredited testing laboratories 40; Number of EU recognized Notified Bodies - no response

Private-sector accreditor of testing laboratories - None

Government accreditor of product certifiers

4.3 BELCERT Products
Currently being established

QUALITY MANAGEMENT REGISTRATION

Coordinator national quality awareness and implementation

5.1 Centre Belge Pour La Gestion de la Qualité
F. Williotstraat, 9
B - 2600 Berchem

Tel. (32-3)280-4704; Fax (32-3) 280-4719

Number of facilities registered to ISO 9001 or ISO 9002 or national equivalents: 2400
Number of registrars geographically located in Belgium 13. Number of registrars accredited by the national accreditor: 13

National accreditor of quality management system registrars

5.2 Same as 2.2

This is a government body
Foreign quality system registrars are not required to be registered/listed by the national accreditor
Participate in: ISO/TC 176: Regional: EAL, EOTC

Certifier of quality assessors

5.3 Belcert Personnes
Currently being established

RELATED INFORMATION

Certification of MSTQ related services are listed here

	Voluntary	Mandatory	
A	☒	☐	Third-party technical inspection organizations
B	☒	☒	Welders
C	☒	☐	Non-destructive testing technicians
D	☒	☐	Quality Assessor certification bodies
E	☒	☐	Quality Assessor training providers
F	☒	☐	Quality training providers
G	☒	☐	Quality consultants
H	☐	☐	Other

Responsible certifying organizations are

6.1 A: Same as 4.1

6.2 B. C and D: Same as 2.2

6.3.1
E: Association Wallonne pour la Qualité (AWQ)
rue Puissant 13
B - 6000 Charleroi

Tel. (32-7) 123-5706; Fax (32-7) 123-5719

6.3.2
E: Vlaams Centrum voor Kwaliteitszorg (VCK)
Pontbeeklaan 43
B - 1731 Zellik

Tel. (32-2) 466-0306 Fax (32-2) 463-2728

6.3.3
E: Centre Qualité Région Bruxelloise (CQRB)
c/o IBN
avenue de la Brabançonne 29
B - 1000 Bruxelles

Tel. (32-2) 738-0100; Fax (32-2)733-4264

6.4 F: Same as 6.3.2

6.5 G: Same as 6.3.3

Environmental management systems
National standards do not exist
Number of facilities at which these standards are implemented: 2-EMAS,1-ISO 14000
Number of EMS registrars geographically located in Belgium: 4

Number of EMS registrars accredited by the national accreditor - None

National accreditor of environmental management system registrars

6.6 Same as 2.2

Tel. (32-2) 206-4721; Fax (32-2) 206-5744

This is a government body
Participate in: EAC

WTO Enquiry Point:

6.7 Same as 3.1

Tel. (32-2) 738-0111; Fax (32-2) 733-4264

A list of all mandatory standards is available in French and Dutch
A list of all publicly available standards is available in French and Dutch

Bolivia

BASIC DATA

Land area: 1 084 390 sq km; comparative area: slightly less than three times the size of Montana
Population: 7 896 000; growth rate 2.25%; labor force: 3.54 million; literacy 80%, age 15 and over
GDP: $18.3 billion; real growth rate: 4.2%; national product per capita: $2370
Exports: $1.1 billion; metals 39%, natural gas 9%, soybeans 11%, jewelry 11%, wood 8%; partners: US 26%, Argentina 15%
Imports: $1.21 billion; capital goods 48%, chemicals 11%, petroleum 5%, food 5%; partners: US 24%, Argentina 13%, Brazil 11%, Japan 11%

NATIONAL MSTQ COORDINATION

1.1 National Council for Quality
Secretaria Nacional de Industria y Comercio
Av. Camacho 1488
Casillia 4480
La Paz

Tel. (591-2) 372046; Fax (591-2) 372047

This is a government body

METROLOGY AND CALIBRATION SERVICES

Primary laboratory and national coordinator

2.1 Bolivian Institute of Metrology (IBMETRO)
Av. Camacho No. 1488, Edit. Anexo SMIC
Casillia 5034
La Paz

Tel. (591-2) 372045, ext. 111;
Fax (591-2) 372047

This is a government body
Member BIPM - no

Accreditor
2.2 Organismo Boliviano de Acreditacion (OBA)
Currently being established

Legal metrology administrator

2.3 Same as 2.1

STANDARDS DEVELOPMENT AND ADOPTION

Primary standards body

3.1 Bolivian Institute of Standardization and Quality (IBNORCA)
Address same as 2.1

Tel. (591-2) 317262; Fax (591-2) 317262

This is a private sector organization
Participate in: ISO, FAO/Codex. Regional: COPANT, CMN
Founded 1993; staff 16; total number of committee members: 250
Annual budget: $0.25 million; portion of revenue from sales of publications and services 5%; testing and certification 75%; private sector subscription 20%;
Number of standards published or approved by primary standards body 760; voluntary 90%; mandatory 10%
Total number of publicly available standards 760
Identical to, technically equivalent, or based on international standards 20%

TESTING AND PRODUCT CERTIFICATION

National coordinator of laboratory accreditation

4.1 Bolivian Accreditation Organization (OBA)
Currently being established

Private-sector accreditor of testing laboratories:

4.2 Same as 3.1

Tel. (591-2) 319185 Fax (591-2) 317262

Government accreditor of product certifiers
4.3 Same as 4.1

QUALITY MANAGEMENT REGISTRATION

Coordinator national quality awareness and implementation

5.1 Same as 3.1

Fax (591-2) 317262

National accreditor of quality management system registrars

5.2 Same as 4.1

This is a mixed (government/private sector) organization
Participate in: COPANT 176

Certifier of quality assessors

5.3 Same as 4.1

RELATED INFORMATION

Certification of MSTQ related services are listed here:

	Voluntary	Mandatory	
A	☒	☐	Third-party technical inspection organizations
B	☒	☐	Welders
C	☒	☐	Non-destructive testing technicians
D	☒	☐	Quality Assessor certification bodies
E	☐	☐	Quality Assessor training providers
F	☐	☐	Quality training providers
G	☒	☐	Quality consultants
H	☒	☐	Testing Laboratories

Responsible certifying organizations are
6.1 A and D: OBA
Same as 4.1

6.2 B, C, G and H: IBNORCA
Same as 3.1

Environmental management system
National standards exist

National accreditor of environmental management system registrars

6.3 Same as 4.1

Participate in: COPANT 207

WTO Enquiry Point

6.4 IBNORCA
Same as 3.1

Brazil

BASIC DATA

Land area: 8 456 510 sq km; comparative area: slightly smaller than the US
Population: 160 737 000; growth rate 1.22%; labor force: 57 million; literacy 80%, age 15 and over
GDP: $886.3 billion; real growth rate: 5.3%; national product per capita: $5580
Exports: $43.6 billion; iron ore, soybean bran, orange juice, footwear, coffee, motor vehicle parts; partners: EU 27.6%, Latin America 21.8%, US 17.4%, Japan 6.3%
Imports: $33.2 billion; crude oil, capital goods, chemical products, foodstuffs, coal; partners: US 23.3%, EU 22.5%, Middle East 13%, Latin America 11.8%, Japan 6.5%

NATIONAL MSTQ COORDINATION

1.1 National Council of Metrology, Standardization, and Industrial Quality (CONMETRO)
Rua Santa Alexandrina, No. 416
Rio Comprido
20 261-232 Rio de Janeiro RJ

Tel. (55-21) 293-9002; Fax (55-21) 293-0954

This is a government body

METROLOGY AND CALIBRATION SERVICES

Primary laboratory and national coordinator

2.1 National Institute for Metrology, Standardization and Industrial Quality (INMETRO)
Same as 1.1

Tel. (55-21) 502-1009; Fax (55-21) 502-6524

This is a government body
Annual budget: $50 million; portion of revenue from fees for services 70%; government subvention 30%
Member BIPM since 1875
Participate in: SIM

Accreditor

2.2 INMETRO
Address same as 2.1

Tel. (55-21) 679-1311; Fax (55-21) 679-1420

This is a government body
Number of accreditated secondary calibration labs 65

Legal metrology administrator

2.3 INMETRO
Av. Nossa Senhora das Graças No. 50
Xerém
Duque de Caxias - 25250-020

Tel. (55-21) 679-1407; Fax (55-21) 679-1761

This is a government body
Member OIML since 1983

STANDARDS DEVELOPMENT AND ADOPTION

Primary standards body

3.1 Associaçao Brasileira de Normas Técnicas
Av. 13 de Maio, no 13, 27 andar
Caixa Postal 1680
20003-900 - Rio de Janeiro-RJ

Tel. (55-21) 210-3122; Fax (55-21) 532-2143

This is a private sector organization
Participate in: ISO, IEC, ITU, FAO/Codex; Regional: COPANT, MERCOSUR, CMN
Founded 1940; staff 195
Annual budget: $7.5 million; portion of revenue from sales of publications and services 17%; testing and certification 12%; private sector subscription 48%; government subvention 17%
Number of standards published or approved by primary standards body 8000; voluntary 100%

TESTING AND PRODUCT CERTIFICATION

National coordinator of laboratory accreditation

4.1 Same as 2.1

Tel. (55-21) 293-5286; Fax (55-21) 293-1564

This is a government body
Participate in : ILAC; Regional: MERCOSUR

Government accreditor of testing laboratories

4.2 Same as 4.1

Number of accredited testing laboratories 70
Private-sector accreditor of testing laboratories - None

Government accreditor of product certifiers

4.3 Same as 4.1

Private - sector accreditor of product certifiers - None

QUALITY MANAGEMENT REGISTRATION

Coordinator national quality awareness and implementation

5.1 Brazilian Technical Committee for Quality
Av. 13 de Maio No. 13 - 27 Andar - Sala 2718
20003-900 - Rio de Janeiro-RJ

Tel. (55-21) 220-6631; Fax (55-21) 2201-6376

Number of facilities registered to ISO 9001 or ISO 9002 or national equivalents: 1250
Number of registrars geographically located in Brazil 15. Number of registrars accredited by the national accreditor 11

National accreditor of quality management system registrars

5.2 INMETRO
Same as 4.1

Tel. (55-21) 293-5286; Fax (55-31) 293-1564

This is a government body

Countries with quality registration MOUs or MRAs - None
Foreign quality system registrars are not required to be registered by the national accreditor
Participate in: ISO/TC 176; Regional COPANT with CB-25-Brazilian Committee for Quality - ABNT

Certifier of quality assessors

5.3 Currently being established

This is a government body

RELATED INFORMATION

Certification of MSTQ related services are listed here:

	Voluntary	Mandatory	
A	☒	☐	Third-party technical inspection organizations
B	☒	☐	Welders
C	☒	☐	Non-destructive testing technicians
D	☒	☐	Quality Assessor certification bodies
E	☒	☐	Quality Assessor training providers
F	☒	☐	Quality training providers
G	☒	☐	Quality consultants
H	☐	☒	Inspection bodies for transport of dangerous products

Responsible certifying organizations are
6.1 A through H: INMETRO
Same as 2.1

Environmental management systems
National standards exist. Number of facilities at which these standards are implemented 100
Number of EMS registrars geographically located in Brazil 2

WTO Enquiry Point

6.2 Centro de Informação e Difusão Tecnológica - CIDIT
Rua Santa Alexandrina, 414, 8° andar
20261-232 Rio de Janeiro-RJ

Tel. (55-21) 293-0616; Fax (55-21) 293-1564

A list of all mandatory standards is available in Portuguese
A list of all publicly available standards is available in Portuguese

Canada

BASIC DATA

Land area: 9 220 970 sq km; comparative area: slightly larger than the US
Population: 28 435 000; growth rate 1.09%; labor force: 13.38 million; literacy 97%, age 15 and over
GDP: $639.8 billion; real growth rate: 4.5%; national product per capita: $22 760
Exports: $164.3 billion; newsprint, wood pulp, timber, crude oil, machinery, natural gas, aluminum, motor vehicles and parts, telecommunications equipment; partners: US, Japan, UK, Germany, South Korea, Netherlands, China
Imports: $151.5 billion; crude oil, chemicals, motor vehicles and parts, consumer goods, computers, telecommunications equipment and parts; partners: US, Japan, UK, Germany, France, Taiwan, South Korea

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NATIONAL MSTQ COORDINATION

1.1 None identified

METROLOGY AND CALIBRATION SERVICES

Primary laboratory and national coordinator

2.1 Institute for National Measurement Standards
National Research Council of Canada
Ottawa, ON K1A OR6

Tel. (613) 993-9326; Fax (613) 952-5113
Internet: ray.vankoughnett@nrc.ca

This is a government body
Annual budget: $6.8 million; portion of revenue from fees for services 12%; government subvention 88%
Member BIPM since 1907
Participate in: NORAMET

Accreditor

2.2 · Standards Council of Canada
1210-45 O'Connor
Ottawa, ON K1P EN7

Tel. (613) 238-3222; Fax (613) 995-4564
Internet: enilsen@sci.ca

This is a government body
Number of accredited secondary calibration labs 14

Legal metrology administrator

2.3 Legal Metrology Branch
Industry Canada
Standards Building, Tunney's Pasture
Ottawa, Ontario K1A OC9

Tel. (613) 952-0655; Fax (613) 957-1265
Internet: johnston.alan@ie.ge.ca

This is a government body
Member OIML since 1982; Regional: APLMF

STANDARDS DEVELOPMENT AND ADOPTION

Primary standards body

3.1 Standards Council of Canada
45 O'Connor Street, Suite 1200
Ottawa, Ontario K1P 6N7

Tel. (613) 238-3222; Fax (613) 995-4564
Internet: info@scc.ca

This is a government body
Participate in: ISO, IEC, ITU, FAO/Codex; Regional: NAFTA
Founded 1970; staff 60
Annual budget: $11.2 million; portion of revenue from sales of publications and services 23%; government subvention 62%
Total number of publicly available standards 5500
Number of standards published or approved by primary standards body 1800; voluntary 100%

TESTING AND PRODUCT CERTIFICATION

National coordinator of laboratory accreditation

4.1 SCC Program for Accreditation of Laboratories
Address same as 2.1

This is a government body
Participate in: ILAC

Government accreditor of product certifiers

4.2 Same as 2.1

QUALITY MANAGEMENT REGISTRATION

National accreditor of quality management system registrars:

5.1 Same as 2.1

Number of facilities registered to ISO 9001 or ISO 9002 or national equivalents 3000

RELATED INFORMATION

Certification of MSTQ related services - No response

Environmental management systems - No response

WTO Enquiry Point

6.1 SCC Standards and Information Service
Same as 2.1

Chile

BASIC DATA

Land area: 748 800 sq km; comparative area: slightly smaller than twice the size of Montana
Population: 14 161 000; growth rate 1.49%; labor force: 4.73 million; literacy 94%, age 15 and over
GDP: $97.7 billion; real growth rate: 4.3%; national product per capita: $7010
Exports: $11.5 billion; copper 41%, other metals and minerals 8.7%, wood 7.1%, fish and fishmeal 9.8%, fruits 8.4%; partners: EU 29%, Japan 17%, US 16%, Argentina 5%, Brazil 5%
Imports: $10.9 billion; capital goods 25.2%, spare parts 24.8%, raw materials 15.4%, petroleum 10%, foodstuffs 5.7%; partners: EU 24%, US 21%, Brazil 10%, Japan 10%

NATIONAL MSTQ COORDINATION

1.1 Instituto Nacional de Normalizacion (INN)
Matías Cousiño 64 - 60 piso
Casilla 995 - Correo Central
Santiago

Tel. (56-2) 696-8144; Fax (56-2) 696-0247
This is a parastatal organization

METROLOGY AND CALIBRATION SERVICES

Calibration Coordinator

2.1 Laboratorio de Metrologia
Universidad Catolica de Chile
Vicuna Mackenna 4860
Santiago

Tel. (56-2) 686-4630; Fax (56-2) 686-5828
Internet: ilira@ing.puc.cl

This is a private sector calibration laboratory. No primary laboratory exists in Chile.
Annual budget: Portion of revenue from fees for services 100%
Participate in: SIM

Accreditor

2.2 Planning is under way

Legal metrology administrator - None

STANDARDS DEVELOPMENT AND ADOPTION

Primary standards body

3.1 Same 1.1

Participate in: ISO, ITU, FAO/Codex; Regional: COPANT, APEC/SCSC
Founded 1973; staff 43
Annual budget: $1.9 million; portion of revenue from sales of publications and services 10%; government subvention 62%
Number of standards published or approved by primary standards body 1900; voluntary 70%; mandatory 30%

TESTING AND PRODUCT CERTIFICATION

Private-sector accreditor of testing laboratories

4.1 Same as 1.1

Private - sector accreditor of product certifiers

4.2 Same as 1.1

QUALITY MANAGEMENT REGISTRATION

Coordinator national quality awareness and implementation

5.1 Asociación Chilena de Control de Calidad
Casilla 509-V
Correo 21
Santiago

National accreditor of quality management system registrars:

5.2 Same as 1.1

Certifier of quality assessors

5.3 Same as 1.1

RELATED INFORMATION

Certification of MSTQ related services are listed here

	Voluntary	Mandatory	
A	☐	☐	Third-party technical inspection organizations
B	☐	☐	Welders
C	☐	☐	Non-destructive testing technicians
D	☒	☐	Quality Assessor certification bodies
E	☐	☐	Quality Assessor training providers
F	☐	☐	Quality training providers
G	☐	☐	Quality consultants
H	☐	☐	Other

Responsible certifying organizations are

6.1 D: INN
Same as 1.1

Environmental management systems - No response

WTO Enquiry Point

6.2 Directorate-General for International Economic Relations, Ministry of External Relations
Alameda Bernardo O'Higgins 1315 2 piso
Santiago

Tel. (56-2) 696-0043; Fax (56-2) 696-0639

A list of all mandatory standards is available in Spanish
A list of all publicly available standards is available in Spanish and English

China

BASIC DATA

Land area: 9 326 410 sq km; comparative area: slightly larger than the US
Population: 1 203 000 000; growth rate 1.04%; labor force: 583.6 million; literacy 78%, age 15 and over
GDP: $2.98 trillion(estimated); real growth rate: 11.8%; national product per capita: $2500
Exports: $121 billion; textiles, garments, footwear, toys, machinery, weapon systems; partners: Hong Kong, Japan, US, Germany, South Korea, Russia
Imports: $115.7 billion; rolled steel, motor vehicles, textile machinery, petroleum products, aircraft; partners: Japan, Taiwan, US, Hong Kong, Germany, South Korea

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NATIONAL MSTQ COORDINATION

1.1 China State Bureau of Technical Supervision
4, Zhichun Road
Haidian District
P.O. Box 8010
Beijing 100088

Tel. (86-1) 6202-5835; Fax (86-1) 6203-1010

This is a government body

METROLOGY AND CALIBRATION SERVICES

Primary laboratory and national coordinator

2.1 National Institute of Metrology (NIM)
No. 18, Bei San Huang Dong LU
Beijing 100013, China

Tel. (86-1) 6421-8703; Fax (86-1) 6421-8703

This is a government body
Annual budget: $5.6 million; portion of revenue from fees for services 24%; government subvention 76%
Member BIPM since 1977
Participate in: APMP, IMEKO

Accreditor

2.2 China National Accreditation Committee for Laboratories (CNACL)
Address same as 1.1

Tel. (86-1) 6236-1005; Fax (86-1) 6203-1010

This is a government body
Number of accredited secondary calibration labs - None

Legal metrology administrator

2.3 Same as 1.1

Tel. (86-1) 6236-9419; Fax (86-1) 6203-1010

This is a government body
Member OIML since 1985; Regional: APLMF

STANDARDS DEVELOPMENT AND ADOPTION

Primary standards body

3.1 Same as 1.1

Tel. (86-1) 6203-2424; Fax (86-1) 6203-3737

This is a government body
Participate in: ISO, IEC, ITU, FAO/Codex; Regional: PASC, APEC
Founded 1957; staff 40; total number of committee members 25 000
Annual budget: $2.3 million; government subvention 100%
Number of standards published or approved by primary standards body 17 000; voluntary 90%; mandatory 10%
Number of other standards bodies; national government 88, 58 ministries and 30 provincial authorities; private sector - None

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TESTING AND PRODUCT CERTIFICATION

National coordinator of laboratory accreditation

4.1 China National Accreditation Committee for Product Certification Bodies (CNACP)
Address same as 2.1

This is a government body
Participate in: IECEE, IECQ, IAF, QSAR/ISO;
Regional: PAC

Government accreditors of testing laboratories

4.2.1
China National Accreditation Committee for Laboratories
Address same as 1.1

4.2.2
State Administration for Import and Export Commodity Inspection of PRC
Fangcaodi Xijie 15
Beijing 100022

Number of accredited testing laboratories 220
Private-sector accreditor of testing laboratories - None

Number of accredited product certifiers: government agencies and institutions - None; private sector - None
Historically all product certifiers were set up by sectors and ministries. National accreditation service will be operated soon after procedures and criteria are developed

Government accreditor of product certifiers

4.3 Same as 4.1

Tel. (86-10) 6202-2288 ext 9001;
Fax (86-10) 6203-1010

Countries with product certification MOUs or MRAs - None

Private - sector accreditor of product certifiers - None

QUALITY MANAGEMENT REGISTRATION

Coordinator national quality awareness and implementation

5.1 China Quality Control Association
P.O. Box 2210
Beijing

Number of facilities registered to ISO 9001 or ISO 9002 or national equivalents: 769
Number of registrars geographically located in China 35. Number of registrars accredited by the national accreditor 25

National accreditor of quality management system registrars:

5.2 China National Accreditation Committee for Quality System Registration Bodies (CNAC)
Address same as 1.1

This is a government body
Countries with quality registration MOUs or MRAs - None
Foreign quality system registrars are required to be registered by the national accreditor
Participate in: ISO/TC 176, IAF, IATCA, QSAR;
Regional: PAC
Certifier of quality assessors

5.3 China National Registration Board for Auditors (CRBA)
Address same as 1.1

Tel. (86-10) 6204-6174; Fax (86-10) 6203-1010

This is a government body

RELATED INFORMATION

Certification of MSTQ related services are listed here:

	Voluntary	Mandatory	
A	☒	☐	Third-party technical inspection organizations
B	☐	☒	Welders
C	☐	☒	Non-destructive testing technicians
D	☒	☐	Quality Assessor certification bodies
E	☐	☒	Quality Assessor training providers
F	☒	☐	Quality training providers
G	☒	☐	Quality consultants
H	☐	☐	Other

Responsible accrediting/certifying organizations were not identified

Environmental management systems - No response

Information Center

6.1 Same as 1.1

A list of all mandatory standards is available in Chinese with English abstracts or sub-titles.
A list of all publicly available standards is available in Chinese with English abstracts and sub-titles.

Colombia

BASIC DATA

Land area: 1 038 700 sq km; comparative area: slightly less than three times the size of Montana
Population: 36 200 000; growth rate 1.7%; labor force: 12 million; literacy 88%, age 15 and over
GDP: $172.4 billion; real growth rate: 5.7%; national product per capita: $4850
Exports: $8.3 billion; petroleum, coffee, coal, bananas, fresh cut flowers; partners: US 39%, EU 25.7%, Japan 2.9%, Venezuela 8.5%
Imports: $10.6 billion; industrial equipment, transportation equipment, consumer goods, chemicals, paper products; partners: US 36%, EU 18%, Brazil 4%, Venezuela 6.5%, Japan 8.7%

NATIONAL MSTQ COORDINATION

1.1 Superintendencia de Industria y Comercio
Carrera 13 #27-00 piso 10
Bogota D.C.

Tel. (571) 334-1221 and (571) 281-3515;
Fax (571) 334-1593

This is a government body

METROLOGY AND CALIBRATION SERVICES

Primary laboratory and national coordinator

2.1 Centro de Control de Calidad y Metrología
Cra. 37 No. 52-95, piso 4
Santafé de Bogotá

Tel. (57-1) 221-8715; Fax (57-1) 221-8695

This is a private sector organization

Legal metrology administrator

2.2 Same as 2.1

STANDARDS DEVELOPMENT AND ADOPTION

Primary standards body

3.1 Instituto Colombiano de Normas Técnicas (ICONTEC)
Address same as 2.1

Tel. (57-1) 315-0377; Fax (57-1) 222-1435
Internet: sicontec@itecs5.telecom-co.net

This is a private sector organization
Participate in: ISO, IEC, ITU, FAO/Codex; Regional: COPANT, PASC, JUNAC
Founded 1963; staff 140
Annual budget: $4.5 million; portion of revenue from sales of publications and services 10%; training, testing and certification 50%; private sector subscription 19%; government subvention 17%
Number of standards published or approved by primary standards body 4000; voluntary 92%; mandatory 8%
Number of other standards bodies: private sector 1

TESTING AND PRODUCT CERTIFICATION

National coordinator of laboratory accreditation

4.1 Same as 1.1

Government accreditor of testing laboratories

4.2 Same as 1.1

Private-sector accreditor of testing laboratories - None

Government accreditor of product certifiers

4.3 Same as 1.1

Private - sector accreditor of product certifiers - None

QUALITY MANAGEMENT REGISTRATION

Coordinator national quality awareness and implementation

5.1 Corporacion Calidad
Carrera 20-90-40
Bogota. D.C.

Tel. (571) 622-0811; Fax (571) 611-2630

National accreditor of quality management system registrars

5.2 Same as 1.1

This is a government body.
Countries with quality registration MOUs or MRAs: Venezuela

Certifier of quality assessors - None

RELATED INFORMATION

Certification of MSTQ related services are listed here:

	Voluntary	Mandatory	
A	☒	☒	Third-party technical inspection organizations
B	☐	☐	Welders
C	☐	☐	Non-destructive testing technicians
D	☐	☐	Quality Assessor certification bodies
E	☐	☐	Quality Assessor training providers
F	☐	☐	Quality training providers
G	☐	☐	Quality consultants
H	☐	☐	Other

Responsible certifying organizations are

6.1 A: ICONTEC
Same as 3.1

Environmental management systems

National standards exist
Number of EMS registrars geographically located in Colombia - None
Number of EMS registrars accredited by the national accreditor - None

National accreditor of environmental management system registrars

6.2 Same as 1.1

WTO Enquiry Point

6.3 Ministerio de Desarrollo Económico
División de Normalización y Calidad
Dirección: Carrera 13 No. 28-01, Piso 8
Santafé de Bogotà

Tel. (571) 338-0641; Fax (571) 245-7256

Costa Rica

BASIC DATA

Land area: 50 660 sq km; comparative area: slightly smaller than West Virginia
Population: 3 419 000; growth rate 2.24%; labor force: 868 300; literacy 93%, age 15 and over
GDP: $16.9 billion; real growth rate: 4.3%; national product per capita: $5050
Exports: $2.1 billion; coffee, bananas, textiles, sugar; partners: US, Germany, Italy, Guatemala, El Salvador, Netherlands, UK, France
Imports: $2.9 billion; raw materials, consumer goods, capital equipment, petroleum; partners: US, Japan, Mexico, Guatemala, Venezuela, Germany

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NATIONAL MSTQ COORDINATION

1.1 Ministerio de Ciencia y Tecnologia
P.O. Box 5589-1000
San José

Tel. (506) 296-3000; Fax (506) 290-1044

This is a government body

METROLOGY AND CALIBRATION SERVICES

Primary laboratory and national coordinator

2.1 Ministerio de Economia Industria y Comercio
Oficina Nacional de Normas y Unidades de Medida
Ciudad Cientifica, UCR
San Pedro, Montes de Oca
San José

Tel. (506) 283-6580; Fax (506) 283-5133

This is a government body

Accreditor

2.2 Being established

STANDARDS DEVELOPMENT AND ADOPTION

Primary standards body

3.1 Instituto de Normas Técnicas de Costa Rica (INTECO)
400 Norte de Muñoz y Name
Ciudad Cientifica
San Pedro, Montes de Oca
San José

Tel. (506) 283-4522; Fax (506) 283-4831
Internet: inteco@sol.racsa.co.cr

This is a private sector organization
Participate in: ISO, ITU, FAO/Codex; Regional: COPANT
Founded 1987; staff 7; total number of committee members 48
Annual budget: $223 000; portion of revenue from sales of publications and services 11%; private sector subscription 5%; government subvention 45%
Total number of publicly available standards: 10 000
Number of standards published or approved by primary standards body 154; voluntary 80%; mandatory 20%
Identical to, technically equivalent, or based on international standards 90%

TESTING AND PRODUCT CERTIFICATION

National coordinator of laboratory accreditation

4.1 Being established

QUALITY MANAGEMENT REGISTRATION

Coordinator national quality awareness and implementation

5.1 Being established

National accreditor of quality management system registrars

5.2 Ente Nacional de Certificacion
Being established
Address same as 1.1

RELATED INFORMATION

Certification of MSTQ related services are listed here:

	Voluntary	Mandatory	
A	☒	☐	Third-party technical inspection organizations
B	☒	☐	Welders
C	☒	☐	Non-destructive testing technicians
D	☒	☐	Quality Assessor certification bodies
E	☒	☐	Quality Assessor training providers
F	☒	☐	Quality training providers
G	☐	☐	Quality consultants
H	☐	☐	Other

Responsible certifying organizations are
6.1 A: Same as 2.1

6.2 B and C: Universidad de Costa Rica
Instituto Tecnológico de Costa Rica
other private entities

6.3 D through F:
Same as 3.1

Environmental management system
National standards: in draft
Participate in: ISO/TC 207

WTO Enquiry Point

6.4 Dirección General de Normas y Unidades de Medida
Ministerio de Economía, Industria y Comercio
Apartado Postal 1736-2050
San Pedro de Montes do Oca

Tel. (506) 283-5133; Fax (506) 283-5133

Czech Republic

BASIC DATA

Land area: 78 645 sq km; comparative area: slightly smaller than South Carolina
Population: 10 432 000; growth rate 0.26%; labor force: 5.4 million; literacy 99%, age 15 and over
GDP: $76.5 billion; real growth rate: 2.2%; national product per capita: $7350
Exports: $13.4 billion; manufactured goods, machinery and transport equipment, chemicals, fuels, minerals, metal, agricultural products; partners: Germany 28%, Slovakia 15.5%, Austria 7.9%, Italy 6.4%, France 3.2%, Russia 3.2%, US 2.1%
Imports: $13.3 billion; machinery and transport equipment, manufactured goods, chemicals, fuels and lubricants, raw materials, agricultural products; partners: Germany 24%, Slovakia 15.6%, Russia 9.8%, Austria 7.6%, Italy 4.9%, France 3.6%, US 3.2%

NATIONAL MSTQ COORDINATION

1.1 None identified

METROLOGY AND CALIBRATION SERVICES

Primary laboratory and national coordinator

2.1 Czech Metrological Institute
Okruzni 31
63800 Brno

Tel. (42-5) 528755; Fax (42-5) 529149

Legal metrology administrator

2.2 Same as 2.1

STANDARDS DEVELOPMENT AND ADOPTION

Primary standards body

3.1 Czech Office for Standards, Metrology and Testing
Biskupsky dvur 5
110 02 Praha 1

Tel. (42-2) 232-4430; Fax (42-2) 232-4373

Participate in: ISO, IEC, ITU, FAO/Codex
Founded 1968; staff 51
Annual budget: $10 million; portion of revenue from sales of publications and services 22%; government subvention 78%
Number of standards published or approved by primary standards body 16 000; voluntary 10%; mandatory 90%

TESTING AND PRODUCT CERTIFICATION

National coordinator of laboratory accreditation

4.1 Same as 3.1

This is a government body

Government accreditor of testing laboratories

4.2 Same as 3.1

Government accreditor of product certifiers

4.3 Same as 3.1

Private - sector accreditor of product certifiers - None

QUALITY MANAGEMENT REGISTRATION - No response

RELATED INFORMATION

Certification of MSTQ related services - No response

Environmental management systems - No response
WTO Enquiry Point

6.1 Same as 3.1

Tel. (42-2) 232-4564; Fax (42-2) 232-4564

Denmark

BASIC DATA

Land area: 42 370 sq km; comparative area: slightly more than twice the size of Massachusetts
Population: 5 200 000; growth rate 0.22%; labor force: 2.6 million; literacy 99%, age 15 and over
GDP: $103 billion; real growth rate: 4.5%; national product per capita: $19 860
Exports: $42.9 billion; meat and meat products, dairy products, ships, fish, chemicals, industrial machinery; partners: EU 54.3%, Sweden 10.5%, Norway 5.8%, US 4.9%, Japan 3.6%
Imports: $37.1 billion; petroleum, machinery, chemicals, grain and foodstuffs, textiles, paper; partners: EU 53.4%, Sweden 10.8%, Norway 5.4%, US 5.7%, Japan 4.1%

NATIONAL MSTQ COORDINATION

1.1 None identified

METROLOGY AND CALIBRATION SERVICES

Primary laboratory and national coordinator

2.1 Danish Institute of Fundamental Metrology
Anker Engelunds Vej 1
DK-2800 Lyngby

Tel. (454) 593-1144; Fax (454) 593-1137
Internet: kc@dfm.dtu.dk

This is a private sector organization
Annual budget: $2 million; portion of revenue from fees for services 20%; govenment subvention 80%
Member BIPM since 1875

Accreditor

2.2 DANAK, Dansk Akkreditering
Danish Agency for Development of Trade and Industry
Tagensvej 137
DK-2200 Copenhagen N

Tel. (453) 586-8686; Fax (453) 586-8687

This is a government body
Number of accredited secondary calibration labs 50

Legal metrology administrator

2.3 Secretariat for Metrology
Danish Agency for Development of Trade and Industry
Address same as 2.2

This is a government body
Member OIML since 1956

STANDARDS DEVELOPMENT AND ADOPTION

Primary standards body

3.1 Dansk Standard
Kollegievej, 6
DK-2920 Charlottenland

Tel. (45-39) 96-6101; Fax (45-39) 96-6102
Internet: Dansk.Standard@ds.dk

This is a private sector organization
Participate in: ISO, IEC, ITU, FAO/Codex; Regional: CEN, CENELEC
Founded 1926; staff 133
Annual budget: $25 million
Number of standards published or approved by primary standards body 3500; voluntary 92%; mandatory 8%

TESTING AND PRODUCT CERTIFICATION

National coordinator of laboratory accreditation

4.1 Dansk Institute for Provning og Justering
Amager Boulevard 115
DK-2300 Copenhagen S

Tel. (453) 1540-830; Fax (453) 195-4700

No further information provided
Number of EU recognized Notified Bodies - No response

QUALITY MANAGEMENT REGISTRATION

Coordinator national quality awareness and implementation

5.1 Danish Society for Quality
P. O. Box 52
DK-2950 Vedbaek

Tel. (454) 289-1305; Fax (454) 289-0812

No further information provided

RELATED INFORMATION

Certification of MSTQ related services - No response

Environmental Management systems - No response

WTO Enquiry Point

6.1 Same as 3.1

Ecuador

BASIC DATA

Land area: 276 840 sq km; comparative area: slightly smaller than Nevada
Population: 10 890 000; growth rate 1.95%; labor force: 2.8 million; literacy 87%, age 15 and over
GDP: $41.1 billion; real growth rate: 3.9%; national product per capita: $3840
Exports: $3.3 billion; petroleum, bananas, shrimp, cocoa, coffee; partners: US 42%, South America 29%, Caribbean and EU 17%
Imports: $3 billion; transport equipment, consumer goods, vehicles, machinery chemicals; partners: US 28%, EU 17%, Latin America 31%

NATIONAL MSTQ COORDINATION

1.1 Instituto Ecuatoriano de Normalizacion, INEN
Baquerizo Moreno 454 y Avda. 6 de Diciembre
Casilla 17-01-3999
Quito

Tel. (593-2) 565626; Fax (593-2) 567815
Internet: inenl@inen.gov.ec

This is a government body

METROLOGY AND CALIBRATION SERVICES

Primary laboratory and national coordinator

2.1 Same as 1.1

This is a government body
Annual budget: $1 497 000; portion of revenue from fees for services 40%; government subvention 60%
Participate in: SIM

Accreditor

2.2 Planning is underway

Legal metrology administrator

2.3 Same as 1.1

Member OIML since 1975

STANDARDS DEVELOPMENT AND ADOPTION

Primary standards body

3.1 Same as 1.1

Participate in: ISO, ITU, FAO/Codex; Regional: COPANT
Founded 1970; staff 96; total number of committee members 120
Annual budget: $1 497 000; portion of revenue from sales of publications and services 2%; testing and certification 38%; government subvention 60%
Number of standards published or approved by primary standards body 2000; voluntary 5%; mandatory 95%
Number of other standards bodies - None
Total number of publicly available standards 2000
Identical to, technically equivalent, or based on international standards 10%

TESTING AND PRODUCT CERTIFICATION

National coordinator of laboratory accreditation

4.1 Planning is underway

Government accreditor of testing laboratories

4.2 Planning is underway

Private-sector accreditor of testing laboratories

4.3 Planning is underway

Government accreditor of product certifiers

4.4 Planning is underway

Private - sector accreditor of product certifiers - None

QUALITY MANAGEMENT REGISTRATION

Coordinator national quality awareness and implementation

5.1 Sociedad Ecuatoriana de Control de Calidad
Casilla 326
Cámara de Industrias
Cuenca

Tel. (593-7) 830845; Fax (593-7) 830945

Number of registrars geographically located in Ecuador - None. Number of registrars accredited by the national accreditor - None

National accreditor of quality management system registrars

5.2 Planning is underway

Certifier of quality assessors

5.3 Planning is underway

RELATED INFORMATION

Certification of MSTQ related services are listed here:

	Voluntary	Mandatory	
A	☒	☐	Third-party technical inspection organizations
B	☒	☐	Welders
C	☒	☐	Non-destructive testing technicians
D	☒	☐	Quality Assessor certification bodies
E	☒	☐	Quality Assessor training providers
F	☒	☐	Quality training providers
G	☒	☐	Quality consultants
H	☐	☐	Other

Responsible certifying organizations are

6.1 A: INEN
Same as 1.1

6.2 B: Instituto Nacional de Pesca

6.3 C: Servicio Ecuatoriano de Sanidad Agropecuaria

6.4 D: Instituto Nacional de Higiene Leopoldo Izquieta Pérez

Environmental management system
Planning is underway

Information Center

6.5 Ministerio de Industrias, Comercio Integración y Pesca
Subsecretaria de Comercio Exterior

Tel. (593-2) 556784; Fax (593-2) 504922

A list of all mandatory standards is available in Spanish and English
A list of all publicly available standards is available in Spanish and English

Finland

BASIC DATA

Land area: 305 470 sq km; comparative area: slightly smaller than Montana
Population: 5 085 000; growth rate 0.3%;
labor force: 2.5 million; literacy 100%, age 15 and over
GDP: $81.8 billion; real growth rate: 3.5%; national product per capita: $16 140
Exports: $23.4 billion; paper and pulp, machinery, chemicals, metals, timber; partners: EU 53.2%, EFTA 19.5%, US 5.9%, Russia 2.8%, Japan 1.3%
Imports: $18 billion; petroleum and petroleum products, chemicals, transport equipment, iron and steel, machinery, textiles; partners: EU 47.2%, EFTA 19%, Russia 7.1%, US 6.1%, Japan 5.5%

NATIONAL MSTQ COORDINATION

1.1 None identified

METROLOGY AND CALIBRATION SERVICES

Accreditor

2.1 Finnish Accreditation Service (FINAS)
Centre for Metrology and Accreditation
P.O. Box 239
FIN-00181 Helsinki

Tel. (358-0) 61671; Fax (358-0) 616-7341

This is a government body

STANDARDS DEVELOPMENT AND ADOPTION

Primary standards body

3.1 Finnish Standards Association SFS
P.O. Box 116
FIN-00241 Helsinki

Tel. (358-9) 149-9331; Fax (358-9) 146-4925
Website: www: http://www.sfs.fi/

This is a private body officially recognized by government

Participate in: ISO, IEC, ITU, FAO/Codex
Founded 1924; staff 70
Annual budget: $13.7 million; portion of revenue from sales of publications and services 35%; certification 33%; private sector subscription 17%; government subvention 22%
Number of standards published or approved by primary standards body 5200; voluntary 86%, mandatory 14%
Total number of publicly available standards 7670
Identical to technically equivalent, or based on international standards 40%

TESTING AND PRODUCT CERTIFICATION

National coordinator of laboratory accreditation

4.1 Same as 2.1

This is a government body

Government accreditor of testing laboratories

4.2 Same as 2.1

Number of EU recognized Notified Bodies - 13

Private-sector accreditor of testing laboratories

4.3 Same as 2.1

Number of private-sector accredited testing laboratories 66

Number of accredited product certifiers: private sector 2

Government accreditor of product certifiers

4.4 Same as 2.1

4.5 **Private - sector accreditor** of product certifiers

Same as 2.1

QUALITY MANAGEMENT REGISTRATION

Coordinator national quality awareness and implementation

5.1 The Finnish Society for Quality
Laaksolhdentle 41
SF-02731 PLI Espoo

Tel. (358-0) 597-348; Fax (358-0) 509-1807

No further information provided

RELATED INFORMATION

Certification of MSTQ related services are listed here:

	Voluntary	Mandatory	
A	☒	☐	Third-party technical inspection organizations
B	☐	☐	Welders
C	☐	☐	Non-destructive testing technicians
D	☒	☐	Quality Assessor certification bodies
E	☐	☐	Quality Assessor training providers
F	☐	☐	Quality training providers
G	☐	☐	Quality consultants
H	☐	☐	Other

Responsible certifying organizations are
6.1 A and D: FINAS
Same as 2.1

Environmental management systems
National standards exist.
Number of facilities at which these standards are implemented 12
Number of EMS registrars geographically located in Finland 2
Number of EMS registrars accredited by the national accreditor 2

National accreditor of environmental management system registrars

6.2 Same as 2.1

This is a government body
Participate in: ISO/TC 207

WTO Enquiry Point

6.3 Same as 3.1

Tel. (358-9) 149-9331; Fax (358-9) 146-4914

France

BASIC DATA

Land area: 545 630 sq km; comparative area: slightly more than twice the size of Colorado
Population: 58 109 000; growth rate 0.46%; labor force: 24.17 million; literacy 99%, age 15 and over
GDP: $1.08 trillion; real growth rate: 2.4%; national product per capita: $18 670
Exports: $249.2 billion; machinery, transportation equipment, chemicals, foods, agricultural products, iron and steel products, textiles and clothing; partners: Germany 18.6%, Italy 11%, Belgium-Luxembourg 9%, UK 8.8%, Netherlands 7.9%, US 6.4%, Japan 2%
Imports: $238.1 billion; crude oil, machinery, agricultural products, chemicals, iron and steel products; partners: Germany 17.8%, Italy 10.9%, US 9.5%, Spain 8.8%, Netherlands 8.5%, Belgium-Luxembourg 8.5%, UK 7.5%, Japan 4.1%

NATIONAL MSTQ COORDINATION

1.1 None identified

METROLOGY AND CALIBRATION SERVICES

Primary laboratory and national coordinator

2.1 Bureau National de Metrólogié
No response

Accreditor

2.2 Same as 2.1

Legal metrology administrator

2.3 Ministère de L'Industrie de la Poste et des Télécommunications
Sous-Direction de la Métrologie
22, rue Monge
75005 Paris

Tel. (33-1) 4319-5140; Fax (33-1)4319-5136

This is a government body
Participate in: WELMEC

STANDARDS DEVELOPMENT AND ADOPTION

Primary standards body

3.1 Association française de normalisation
Tour Europe
F-92049 Paris La Defénse Cedex 07

Tel. (33-1)4291-5555; Fax (33-1) 4291-5656
Internet: alain.durand@email.afnor.fr

This is a private body officially recognized by government
Participate in: ISO, IEC, ITU, FAO/Codex; Regional: CEN, CENELEC
Founded 1926; staff 620
Annual budget: $80 million; portion of revenue from sales of publications and services 27%; testing and certification 7%; private sector subscription 11%; government subvention 23.4%; all other 31.6%
Number of standards published or approved by primary standards body 19 470; voluntary 99%, mandatory 1%
Total number of publicly available standards 19 470
Identical to technically equivalent, or based on international standards 26%

TESTING AND PRODUCT CERTIFICATION

National coordinator of laboratory accreditation

4.1 Comité Français d'Accréditation (COFRAC)
37 Rue de Lyon
75012 Paris

Tel. (33-1) 4468-8225; Fax (33-1) 4468-8221

This is a government body

Government accreditor of testing laboratories

4.2 Same as 4.1

Number of EU recognized Notified Bodies - No response
Private-sector accreditor of testing laboratories - None

Government accreditor of product certifiers

4.3 Same as 4.1

Private - sector accreditor of product certifiers - None

QUALITY MANAGEMENT REGISTRATION

Coordinator national quality awareness and implementation

5.1 Mouvement Francais Pour La Qualite
5, Esplanade Charles de Gaulle
92733 Nanterre Cedex

Tel. (33-1) 4291-5995; Fax (33-1) 4901-0685

Number of facilities registered to ISO 9001 or ISO 9002 or national equivalents: 5500
Number of registrars geographically located in France - 21. Number of registrars accredited by the national accreditor 3

National accreditor of quality management system registrars

5.2 Same as 4.1

This is a government body
Countries with quality registration MOUs or MRAs - members of the European Union
Foreign quality system registrars are not required to be registered/listed by the national accreditor
Participate in: ISO/TC 176; Regional EAL, EAC

Certifier of quality assessors

5.3 Association Francaise Pour L'Assurance Qualité
116 Avenue Aristide Briand
BP40 - 92224 Bagneux Cedex

Tel. (33-1) 4611-3737; Fax (33-1) 4611-3777
Internet: http://www.afaq.fr

This is a private sector organization

RELATED INFORMATION

Certification of MSTQ related services - No response

Environmental management systems
National standards exist
Number of facilities at which these standards are implemented 75
Number of EMS registrars geographically located in France 5
Number of EMS registrars accredited by the national accreditor 6

National accreditor of environmental management system registrars

6.1 Same as 4.1

This is a government body
Participate in: ISO/TC 207; Regional: EAL, EAC

WTO Enquiry Point

6.2 Information Centre on Standards and Technical Regulations (CINORTECH)

Same as 3.1

Tel. (33-1) 4291-5669; Fax (33-1) 4291-5656

Germany

BASIC DATA

Land area: 349 520 sq km; comparative area: slightly smaller than Montana
Population: 81 338 000; growth rate 0.26%; labor force: 36.75 million; literacy 99%, age 15 and over
GDP: $1.345 trillion; real growth rate: 2.9%; national product per capita: $16 580
Exports: $437 billion; manufactures 89.3% including machinery, chemicals, motor vehicles, iron and steel products. agricultural products 5.5%, raw materials and fuels 4%; partners: EU 47.9%, EFTA 15.5%, US 7.7%, Eastern Europe 5.2%, OPEC 3%,
Imports: $362 billion; manufactures 75.1%, agricultural products 10%, fuels 8.3%, raw materials 5%; partners: EU 46.4%, EFTA 14.3%, US 7.3%, Japan 6.3%, Eastern Europe 5.1%, OPEC 2.6%

NATIONAL MSTQ COORDINATION

1.1 None identified

METROLOGY AND CALIBRATION SERVICES

Primary laboratory and national coordinator

2.1 PTB National Physics-Technical Institute
Bundesallee 100
Postfach 3345
D-3300 Braunschweig

Tel. (49-531) 59280; Fax (49-531) 592-4006

Accreditor

2.2 Metrology Accreditation Authority (DKD)
Address same as 2.1

Legal metrology administrator

2.3 Same as 2.1

This is a government body

STANDARDS DEVELOPMENT AND ADOPTION

Primary standards body

3.1 DIN Deutsches Institut für Normung
Burggrafenstrasse 6
Postfach 11 07
D-10787 Berlin

Tel. (49-30) 26010; Fax (49-30) 2601-1231
Internet: postmaster@din.de

This is a private sector organization
Participate in: ISO, IEC, ITU, FAO/Codex; Regional: CEN, CENELEC
Founded 1917; staff 1061; total number of committee members 35 000
Annual budget: $110 million; portion of revenue from sales of publications and services 67%; private sector subscription 17%; government subvention 16%
Number of standards published or approved by primary standards body 22 000; voluntary 100%
Number of other standards bodies: private sector 152
Total number of publicly available standards 37 000

TESTING AND PRODUCT CERTIFICATION

National coordinator of laboratory and product certification accreditation

4.1 Deutscher Akkreditierungs Rat (DAR)
Unter den Eichen 87
12205 Berlin

Tel. (49-30) 81040; Fax (49-30) 811-2029

Coordinator voluntary accreditation bodies for laboratories and certification

4.2 German Association for Accreditation (TGA)
Stresemannallee 13
D-60596 Frankfurt am Main

Tel. (49-69) 630-2380; Fax (49-69) 630-2366

Number of EU recognized Notified Bodies - No response

QUALITY MANAGEMENT REGISTRATION

Coordinator national quality awareness and implementation

5.1 German Society for Quality
P.O. Box 500763
D-6000 Frankfurt am Main 50

Tel. (49-69) 5480-0113; Fax (49-69) 5480-0133

National accreditor of quality management system registrars

5.2 Same as 4.2

RELATED INFORMATION

Certification of MSTQ related services - No response

Environmental Management systems - No response

WTO Enquiry Point

6.1 DITR German Information Centre for Technical Rules
Postfach 1107 Burggrafenstr. 6
D-10787 Berlin

Tel. (49-30) 2601-2600; Fax (49-30) 262-8125
Internet: marschall@ditr.din.de

A list of all publicly available standards is available in German and English

Greece

BASIC DATA

Land area: 130 800 sq km; comparative area: slightly smaller than Alabama
Population: 10 648 000; growth rate 0.72%; literacy 95% age 15 and over
GDP: $93.7 billion; real growth rate: 0.4%; national product per capita: $8870
Exports: $9 billion; manufactured goods 53%, foods 34%, fuels 5%; partners: Germany 24%, Italy 14%, France 7%, UK 6%, US 4%
Imports: $19.2 billion; manufactured goods 72%, foods 15%, fuels 10%; partners: Germany 16%, Italy 14%, France 7%, Japan 7%, UK 6%

NATIONAL MSTQ COORDINATION

1.1 None identified

METROLOGY AND CALIBRATION SERVICES

Primary laboratory and national coordinator

2.1.1
National coordinator:
Hellenic Institute of Metrology (EIM)
80, Mihalakopoulou Str.
10192 Athens

Tel. (301) 771-3156; Fax (301) 771-6305

This is a government body
Annual budget: $400 000; portion of revenue from fees for services 8%; government subvention 92%
Participate in: EUROMET

2.1.2
Primary metrology laboratory:
Currently being established
Industrial Area of Syndos
Oikodomiko Tetragono 18
Building no: 41

This is a government body

Accreditor

2.2 National council of Accreditation (ESYD)
Currently being established
Temporary address same as 2.1.1

Tel. (301) 778-0658; Fax (301) 771-6305

This is a government body

Legal metrology administrator

2.3 Metrology Department
Ministry of Development
General Secretary of Commerce
Canning Sq.
101 81 Athens

Tel. (301) 383-7438; Fax (301) 384-2642

This is a government body
Member OIML since 1959
Participate in: WELMEC

STANDARDS DEVELOPMENT AND ADOPTION

Primary standards body

3.1 Hellenic Institute of Standardization
313, Achrnon Str.
11145 Athens

Tel. (301) 201-9890; Fax (301) 202-0776

This is a government body
Participate in: ILAC; Regional: EAL, EAC
Founded 1976; staff 72
Annual budget: $6.7 million; portion of revenue from sales of publications and services 2%; testing and certification 16%; private sector subscription 0.6%; government subvention 74%
Number of standards published or approved by primary standards body 2300; voluntary 99.6%, mandatory 0.4%

TESTING AND PRODUCT CERTIFICATION

National coordinator of laboratory accreditation

4.1 National Council of Accreditation
Same as 2.1.1

This is a government body

Government accreditor of testing laboratories

4.2 Same 4.1

Number of EU recognized Notified Bodies - No response

Private-sector accreditor of testing laboratories - No response

Government accreditor of product certifiers

4.3 Same as 4.1

QUALITY MANAGEMENT REGISTRATION

Coordinator national quality awareness and implementation

5.1 None identified

RELATED INFORMATION

Certification of MSTQ related services - No response

Environmental Management systems - No response

WTO Enquiry Point

6.1 Same as 3.1

Hong Kong

BASIC DATA

Land area: 990 sq km; comparative area: slightly less than six times the size of Washington, DC
Population: 5 543 000; growth rate -0.12%; labor force: 2.8 million; literacy 77%, age 15 and over
GDP: $136.1 billion; real growth rate: 5.5%; national product per capita: $24 530
Exports: $168.7 billion including re-exports of $121 billion; clothing, textiles, footwear, electrical appliances, watches, toys; partners: China 32%, US 23%, German 5%, Japan 5%, UK 3%
Imports: $160 billion; foods, transport equipment, raw materials, semi-manufacturers, petroleum; partners: China 36%, Japan 19%, Taiwan 9%, US 7%

NATIONAL MSTQ COORDINATION

1.1 None identified

METROLOGY AND CALIBRATION SERVICES

Primary laboratory and national coordinator

2.1 Hong Kong Government Standards and Calibration Laboratory
Industry Department
36/F., Immigration Tower
7 Gloucester Road
Wan Chai

Tel. (852) 2829-4830; Fax (852) 2824-1302
Internet: hkscl@id.gen.gov.hk

This is a government body
Participate in: APMP

Accreditor

2.2 Hong Kong Laboratory Accreditation Scheme (HOKLAS)
Address same as 2.1

Tel. (852) 2829-4838; Fax (852) 2824-1302
Internet: hoklas@id.gen.gov.hk

This is a government body

Number of accredited secondary calibration labs 15

Legal metrology administrator

2.3 Customs and Excise Department
Units 1201-7, Nan Fung Commercial Centre
19 Lam Lok Street, Kowloon Bay
Kowloon

Tel. (852) 2707-7718; Fax (852) 2519-7302
Internet: pttcpdnf@hkstar.com

This is a government body
Member OIML since 1982; Regional: APLMF

STANDARDS DEVELOPMENT AND ADOPTION

Primary standards body

3.1 Same as 2.1

Tel. (852) 2829-4824; Fax (852) 2824-1302

This is a government body
Participate in: ISO
Founded: None identified; staff 230
Annual budget: $69.03 million; government subvention 100%
Number of standards published or approved by primary standards body - None

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TESTING AND PRODUCT CERTIFICATION

National coordinator of laboratory accreditation

4.1 Hong Kong Laboratory Accreditation Scheme
Same as 2.2

Tel. (852) 3737-2424; Fax (852) 3730-4633

This is a government body

Government accreditor of testing laboratories

4.2 Same as 4.1

Government accreditor of product certifiers

4.3 Same as 4.1

QUALITY MANAGEMENT REGISTRATION

Coordinator national quality awareness and implementation

5.1 Hong Kong Society for Quality Control
116 B 12/F Broadway
Mei Foo Sun Chuen
Kowloon

No further information provided

RELATED INFORMATION

Certification of MSTQ related services - No response

Environmental Management systems - No response

WTO Enquiry Point

6.1 Same as 3.1

Hungary

BASIC DATA

Land area: 92 340 sq km; comparative area: slightly smaller than Indiana
Population: 10 319 000; growth rate 0.02%; labor force: 5.4 million; literacy 99%, age 15 and over
GDP: $58.8 billion; real growth rate: 3%; national product per capita: $5700
Exports: $10.3 billion; raw materials and semi-finished goods 30%, machinery and transport equipment 20.1%, consumer goods 25.2%, food 21.4%, fuels 3.4%; partners: Germany 25.3%, Italy 8.3%, Austria 10.5%, former Soviet Union 14%, US 4.3%
Imports: $14.2 billion; fuels, raw materials, machinery, consumer goods, food and agriculture; partners: Germany 21.5%, Italy 6.1%, Austria 11.8%, former Soviet Union 20.9%, US 4.3%

NATIONAL MSTQ COORDINATION

1.1 Ministry for Industry and Trade
Vigodo u. 6.
H-1051 Budapest

Tel. (36-1) 118-5044; Fax (36-1) 118-7115

This is a government body

METROLOGY AND CALIBRATION SERVICES

Primary laboratory and national coordinator

2.1 Országos Mérésügyl Hivatal
P.O. Box 919
H-1535 Budapest

Tel. (36-1) 156-7722; Fax (36-1) 155-0598

This is a government body

Accreditor

2.2 Hungarian Accreditation Board - NAT
Nemzeti Akkreditalo Testület
Üllöi út 25
Pf. 1581
H-1464 Budapest

Tel. (36-1) 217-3646; Fax (36-1) 216-5057

Legal metrology administrator

2.3 Same as 2.1

This is a government body

STANDARDS DEVELOPMENT AND ADOPTION

Primary standards body

3.1 Hungarian Standards Institution
Magyar Szabványügyl Testulet
Üllöi út 25
Pf.24
J-1450 Budapest 9

Tel. (36-1) 118-3011; Fax (36-1) 118-5125

This is a nonprofit organization
Participate in: ISO, IEC, ITU, FAO/Codex; Regional: CEN, CENELEC, ETSI
Founded 1947; staff 100
Annual budget: $2.7 million; portion of revenue from sales of publications and services 12%; testing and certification 13%; government subvention 73%
Number of standards published or approved by primary standards body 14 360; voluntary 81%, mandatory 19%
Total number of publicly available standards 14 360
Identical to technically equivalent, or based on international standards 36%

TESTING AND PRODUCT CERTIFICATION

National coordinator of laboratory accreditation

4.1 Same as 2.2

This is a public interest body

Government accreditor of testing laboratories

4.2 Same as 2.2

Private-sector accreditor of testing laboratories - None

Government accreditor of product certifiers

4.3 Same as 2.2

Private - sector accreditor of product certifiers - None

QUALITY MANAGEMENT REGISTRATION

Coordinator national quality awareness and implementation

5.1 Hungarian Quality Society (MMT)
Magyar Minöseg Társaság
Üllöi út 25
H-1091 Budapest

Tel. (36-1) 218-3011; Fax (36-1) 218-0267

Number of facilities registered to ISO 9001 or ISO 9002 or national equivalents: 32
Number of registrars geographically located in Hungary 2

National accreditor of quality management system registrars

5.2 Same as 2.2

Foreign quality system registrars are not required to be registered/listed by the national accreditor
Participate in: ISO/TC 176

Certifier of quality assessors

5.3 European Organization for Quality Hungarian National Committee (EOQ MNB)
Hermann Ottó út 25
H-1022 Budapest

Tel. (36-1) 156-5082; Fax (36-1) 274-1005

This is a social organization

RELATED INFORMATION

Certification of MSTQ related services are listed here:

	Voluntary	Mandatory	
A	☒	☐	Third-party technical inspection organizations
B	☐	☒	Welders
C	☐	☒	Non-destructive testing technicians
D	☐	☐	Quality Assessor certification bodies
E	☐	☐	Quality Assessor training providers
F	☐	☐	Quality training providers
G	☐	☐	Quality consultants
H	☐	☐	Other

Responsible certifying organizations are

6.1 A and D: Hungarian Accreditation Board
Address same as 2.2

6.2 B: Hungarian Association of Welding Technology
Fogarasi út 20-14
H-1148 Budapest

6.3 C: Material Testing Association

Environmental management system
National standards do not exist

National accreditor of environmental management system registrars

6.4 Same as 2.2

WTO Enquiry Point

6.5 Same as 3.1

Iceland

BASIC DATA

Land area: 100 250 sq km; comparative area: slightly smaller than Kentucky
Population: 266 000; growth rate 0.92%; labor force: 128 000; literacy 100%, age 15 and over
GDP: $4.5 billion; real growth rate: 2.4%; national product per capita: $17 250
Exports: $1.4 billion; fish and fish products, animal products, aluminum, ferrosilicon, diatomite; partners: EU 68%, US 11%, Japan 8%
Imports: $1.3 billion; machinery and transportation equipment, petroleum products, foods, textiles; partners: EU 53%, Norway 14%, US 9%

NATIONAL MSTQ COORDINATION

1.1 None identified

METROLOGY AND CALIBRATION SERVICES

Primary laboratory and national coordinator

2.1 Icelandic Metrology and Accreditation Service
Loggildingarstofan
Sidumula 13
P.O. Box 8114
IS-112 Reykjavik

Tel. (354) 568-1122; Fax (354) 568-5998
Internet: gislihf@skima.is

This is a government body
Annual budget: $0.6 million; portion of revenue from fees for services 77%; government subvention 23%
Participate in: EUROMET, WELMEC

Accreditor

2.2 Same as 2.1

Internet: athorsteinsson@skima.is

This is a government body
Number of accredited secondary calibration labs - None

Legal metrology administrator

2.3 Same as 2.1

Internet: hrafn.hilmarsson@skima.is

This is a government body
Member OIML since 1968

STANDARDS DEVELOPMENT AND ADOPTION

Primary standards body

3.1 Icelandic Council for Standardization
Keldnaholt
IS-112 Reykjavik

Tel. (354) 587-7000; Fax (354) 587-7409

This is a private sector organization
Participate in: ISO, ITU, FAO/Codex; Regional: CEN, CENELEC
Founded 1987; staff 11
Annual budget: $1.25 million; portion of revenue from sales of publications and services 12%; private sector subscription 2%; government subvention 5.5%
Number of standards published or approved by primary standards body 2600; voluntary 100%

TESTING AND PRODUCT CERTIFICATION

National coordinator of laboratory accreditation

4.1 Same as 2.1

Government accreditor of testing laboratories

4.2 Same as 2.1

Number of government accredited testing laboratories - None

Private-sector accreditor of testing laboratories - None

Government accreditor of product certifiers

4.3 Same as 2.1

Private - sector accreditor of product certifiers - None

QUALITY MANAGEMENT REGISTRATION

Coordinator national quality awareness and implementation

5.1 Icelandic Association for Quality
P.O. Box 5492
IS-125 Reykjavik

Tel. (354-1) 627533; Fax (354-1) 623688

National accreditor of quality management system registrars

5.2 Same as 2.1

RELATED INFORMATION

Certification of MSTQ related services are listed here:

	Voluntary	Mandatory	
A	☐	☒	Third-party technical inspection organizations
B	☐	☐	Welders
C	☐	☐	Non-destructive testing technicians
D	☐	☐	Quality Assessor certification bodies
E	☐	☐	Quality Assessor training providers
F	☐	☐	Quality training providers
G	☐	☐	Quality consultants
H	☐	☐	Other

Responsible certifying organizations are
6.1 A: Same as 2.1

National accreditor of environmental management system registrars

6.2 Same as 2.1

WTO Enquiry Point

6.3 Ministry of Industry and Commerce
Mr. Sverrir Juliusson
Arnarhvoli
150 Rykjavik

India

BASIC DATA

Land area: 2 973 190 sq km; comparative area: slightly more than one-third the size of the US
Population: 936 546 000; growth rate 1.77%; labor force: 315 million; literacy 52%, age 7 and over
GDP: $1.25 trillion; real growth rate: 5%; national product per capita: $1360
Exports: $24.4 billion; clothing, gems and jewelry; engineering goods, chemicals, leather goods, cotton yarn and fabric; partners: US, Japan, Germany, UK, Hong Kong
Imports: $25.5 billion; crude oil and petroleum products, machinery, gems, fertilizer, chemicals; partners: US, Germany, Saudi Arabia, UK, Belgium, Japan

NATIONAL MSTQ COORDINATION

1.1 None identified

METROLOGY AND CALIBRATION SERVICES

Primary laboratory and national coordinator

2.1 National Physical Laboratory
Dr. K. S. Krishnan Road
New Delhi 110012

Fax (91-11) 57526

This is a government body

Accreditor

2.2 National Accreditation Board for Testing and Calibration Laboratories
Department of Science and Technology
Technology Bhawan
New Mehrauli Road
New Delhi 110016

Tel. (91-11) 686-4642; Fax (91-11) 661682

This is a government body

Legal metrology administrator

2.3 Ministry of Civil Supplies, Consumer Affairs and Public Distribution
Weights and Measures Unit
12-A Jam Nagar House
New Delhi 110011

Tel. (91-11) 389489; Fax (91-11) 388302

This is a government body

STANDARDS DEVELOPMENT AND ADOPTION

Primary standards body

3.1 Bureau of Indian Standards
Manak Bhavan
9 Bahadur Shah Zafar Marg
New Delhi 110002

Tel. (91-11) 323-7991; Fax (91-11) 323-4062

This is a statutory organization
Participate in: ISO, IEC, ITU, FAO/Codex
Founded 1987; staff 2340
Annual budget: Portion of revenue from sales of publications and services 7.3%; testing and certification 88.7%
Number of standards published or approved by primary standards body 16 500; voluntary 99%, mandatory 1%

TESTING AND PRODUCT CERTIFICATION

National coordinator of laboratory accreditation

4.1 Same as 2.2

No further information provided

QUALITY MANAGEMENT REGISTRATION

Coordinator national quality awareness and implementation

5.1 National Centre for Quality Management
17B, 3rd floor, The Tarun Plastic Indl. Estate,
Mograpada
Andhari (East),
Mumbai 400 069

Tel. (91-22) 822-1106; Fax (91-22) 834-3721

Number of facilities registered to ISO 9001 or ISO 9002 or national equivalents: 1200
Number of registrars geographically located in India 16

National accreditor of quality management system registrars

5.2 Does not exist

Foreign quality system registrars are not required to be registered/listed by the national accreditor

Certifier of quality assessors

5.3 Does not exist

RELATED INFORMATION

Certification of MSTQ related services - No response

Environmental management systems
National standards exist.

National accreditor of environmental management system registrars

6.1 Does not exist

WTO Enquiry Point

6.2 Same as 3.1

Tel. (91-11) 323-0910; Fax (91-11) 323-4062

Indonesia

BASIC DATA

Land area: 1 826 440 sq km; comparative area: slightly less than three times the size of Texas
Population: 200 410 000; growth rate 1.6%; labor force: 67 million; literacy 77%, age 15 and over
GDP: $571 billion; real growth rate: 6.5%; national product per capita: $2900
Exports: $38.2 billion; petroleum and gas 28%, clothing and fabrics 15%, plywood 11%, footwear 4%; partners: Japan 32%, United States 13%, Singapore 9%, South Korea 6%
Imports: $28.3 billion; machinery 37%, semi-finished transportation equipment 7%, goods 16%, chemicals 14%, raw materials 10%, foodstuffs 6%, petroleum products 4%, consumer goods 3%; partners: Japan 22%, US 14%, Germany 8%, South Korea 7%, Singapore 6%, Australia 5%, Taiwan 5%

NATIONAL MSTQ COORDINATION

1.1 Standardization Council of Indonesia (DSN)
J1. Gatot Subroto 10
Jakarta 12710

Tel. (62-21) 520-6574; Fax (62-21) 520-6574

This is a government body

METROLOGY AND CALIBRATION SERVICES

Primary laboratory and national coordinator

2.1 Research & Development Center for Calibration, Instrumentation and Metrology - KIM-LIPI
Kompleks PUSPIPTEK
Serpong Tangerang 15310

Tel. (62-21) 756-0533; Fax (62-21) 756-0568

Member BIPM since 1960
Participate in: Asia-Pacific Metrology Program

Accreditor

2.2 Metrology Commission (DSN)
National Accreditation Body (KAN)
Address same as 1.1

This is a government body
Number of accredited secondary calibration labs 19
Countries with MRAs - None

Legal metrology administrator

2.3 Director General of Domestic Trade
Departemen Perdagangan
J1. Pasteur 27
Bandung 40171

Tel. (62-22) 443597; Fax (62-22) 420-7035

Member OIML since 1960; Regional: APLMF

STANDARDS DEVELOPMENT AND ADOPTION

Primary standards body

3.1 Standardization council of Indonesia - DSN
Address same as 1.1

Participate in: ISO, IEC, ITU, FAO/Codex; Regional: Pacific Area Standards Congress, ASEAN Consultative Committee for Standardization and Quality, APEC Standards and Conformance Subcommittee
Founded 1984; staff 55; total number of committee members 3000
Annual budget: $350 000; government subvention 100%
Number of standards published or approved by primary standards body 3600; voluntary 97%, mandatory 3%
Identical to, technically equivalent, or based on international standards 90% est.

TESTING AND PRODUCT CERTIFICATION

National coordinator of laboratory accreditation

4.1 National Accreditation Body (KAN)
Address same as 1.1

This is a government body
Countries with MRAs - None
Participate in : ILAC; Regional: Asia - Pacific Laboratory Accreditation Cooperation

Government accreditor of testing laboratories

4.2 Same as 4.1

Countries with test laboratory MRAs - None
Number of government accredited testing laboratories 10; foreign accredited 5

Private-sector accreditor of testing laboratories - None

Number of accredited product certifiers: government agencies and institutions 3; private sector - None

Government accreditor of product certifiers

4.3 Same as 4.1

Countries with product certification MOUs or MRAs - None

Private - sector accreditor of product certifiers - None

QUALITY MANAGEMENT REGISTRATION

Coordinator national quality awareness and implementation

5.1 Indonesian Quality Management Association - PMMI
Kartika Chandra Buioding, F 502
Jl Gatot Subroto 18 - 20
Jakarta 12930

Tel. (62-21) 525-6671; Fax (62-21) 520-2348

Number of facilities registered to ISO 9001 or ISO 9002 or national equivalents: 30
Number of registrars geographically located in Indonesia 9. Number of registrars accredited by the national accreditor 9

National accreditor of quality management system registrars

5.2 Same as 4.1

This is a government body
Countries with quality registration MOUs or MRAs - None
Foreign quality system registrars are required to be registered/listed by the national accreditor
Participate in: ISO/TC 176; Regional ASEAN

Certifier of quality assessors

5.3 Same as 5.2

RELATED INFORMATION

Certification of MSTQ related services are listed here:

	Voluntary	Mandatory	
A	☐	☒	Third-party technical inspection organizations
B	☐	☒	Welders
C	☒	☒	Non-destructive testing technicians
D	☐	☐	Quality Assessor certification bodies
E	☒	☐	Quality Assessor training providers
F	☐	☐	Quality training providers
G	☒	☐	Quality consultants
H	☐	☐	Other

Responsible certifying organizations are
6.1 A, E and G: National Accreditation Body
Address same as 1.1

6.2 B: Metal Industries Development Centre
Jl Sangkuriang No. 12
Bandung 40135

Tel. (62-22) 250-3171; Fax (62-22) 520-2907

6.3 C:
Institute for R & D of Materials and Technical Products Industries
Jl Sangkuriang No. 14
Bandung 40135

Tel. (62-22) 250-4088; Fax (62-22) 520-2027

National accreditor of environmental management system registrars

6.4 Same as 4.1

Participate in: ISO/TC 207; Regional; ASEAN

WTO Enquiry Point

6.5 Standards Information Service
Address same as 1.1

Tel. (62-21) 522-1686; Fax (62-21) 520-6574

A list of all mandatory standards is available in Indonesian and English
A list of all publicly available standards is available in Indonesian and English

Ireland

BASIC DATA

Land area: 68 890 sq km; comparative area: slightly larger than West Virginia
Population: 3 550 000; growth rate 0.33%; labor force: 1.37 million; literacy 98%, age 15 and over
GDP: $49.8 billion; real growth rate: 5.5%; national product per capita: $14 060
Exports: $28 billion; chemicals, data processing equipment, machinery, live animals, animal products; partners: EU 75%, US 9%
Imports: $26 billion; food, animal feed, data processing equipment, petroleum and petroleum products, machinery, textiles, clothing; partners: EU 66%, US 15%

NATIONAL MSTQ COORDINATION

1.1 None identified

METROLOGY AND CALIBRATION SERVICES

Primary laboratory and national coordinator

2.1 National Metrology Laboratory
Forbairt
Glasnevin, Dublin 9

Tel. (353-1) 808-2000; Fax (353-1) 808-2026

This is a government body
Member BIPM since 1969
Participate in: EUROMET

Accreditor

2.2 National Accreditation Board
Wilton Park House
Wilton Place
Dublin 2

Tel. (353-1) 607-3003; Fax (353-1) 607-3109

This is a government body
Number of accredited secondary calibration labs 12

Legal metrology administrator

2.3 Department of Enterprise and Employment
Frederick Building, Setanta Centre
South Frederick Street
Dublin 2

Tel. (353-1) 661-4444; Fax (353-1) 671-7457

This is a government body
Member OIML since 1975

STANDARDS DEVELOPMENT AND ADOPTION

Primary standards body

3.1 National Standards Authority of Ireland
Glasnevin
Dublin 9

Tel. (353-1) 837-0101; Fax (353-1) 836-9821

This is a private sector organization
Participate in: ISO, IEC, ITU, FAO/Codex; Regional: CEN, CENELEC
Founded 1961; staff 80
Annual budget: $13.5 million; portion of revenue from sales of publications and services 4%; testing and certification 76%; private sector subscription 2%; government subvention 18%
Number of standards published or approved by primary standards body 2500; voluntary 99%, mandatory 1%

TESTING AND PRODUCT CERTIFICATION

National coordinator of laboratory accreditation

4.1 Same as 2.2

This is a government body
Participate in : ILAC; Regional: EAL

Government accreditor of testing laboratories

4.2 Same as 4.1

Number of government accredited testing laboratories 57; Number of EU recognized Notified Bodies 3

Government accreditor of product certifiers

4.3 Same as 4.1

Countries with product certification MOUs or MRAs - None

QUALITY MANAGEMENT REGISTRATION

Coordinator national quality awareness and implementation

5.1 Irish Quality Association
Marrion Hall
Strand Street Sandymount
Dublin 4

Tel. (353-1) 269-5255; Fax (353-1) 269-8053
Internet: iga@ial.ie

Number of facilities registered to ISO 9001 or ISO 9002 or national equivalents: 2500
Number of registrars geographically located in Ireland 3.
Number of registrars accredited by the national accreditor - None

National accreditor of quality management system registrars

5.2 Same as 4.1

This is a government body
Countries with quality registration MOUs or MRAs - None
Foreign quality system registrars are not required to be registered/listed by the national accreditor
Participate in: ISO/TC 176; International: IAF; Regional: EAC

Certifier of quality assessors - None

RELATED INFORMATION

Certification of MSTQ related services are listed here:

	Voluntary	Mandatory	
A	☐	☐	Third-party technical inspection organizations
B	☒	☒	Welders
C	☒	☒	Non-destructive testing technicians
D	☐	☐	Quality Assessor certification bodies
E	☒	☐	Quality Assessor training providers
F	☐	☐	Quality training providers
G	☐	☐	Quality consultants
H	☐	☐	Other

Responsible certifying organizations are
6.1 B: Same as 2.2

6.2 C: Irish Institution of Engineering Inspection

6.3: E: Shannon Quality Training
Same as 2.2

Environmental management system
National standards exist. Number of facilities at which these standards are implemented 10
Number of EMS registrars geographically located in Ireland 1
Number of EMS accredited by the national accreditor - None

National accreditor of environmental management system registrars

6.4 Same as 2.2

Participate in: Regional: EAC

WTO Enquiry Point

6.5 For technical regulations and certification systems:
Department of Tourism and Trade
Kildare Street
Dublin 2

Tel. (353-1) 662-1444; Fax (353-1) 676-6154

6.6 For standards
Same as 3.1

A list of all mandatory standards is available in English
A list of all publicly available standards is available in English

Israel

BASIC DATA

Land area: 20 330 sq km; comparative area: slightly larger than New Jersey
Population: 5 433 000; growth rate 1.4%; labor force: 1.9 million; literacy 95%, age 15 and over
GDP: $70.1 billion; real growth rate: 6.8%; national product per capita: $13 880
Exports: $16.2 billion; machinery, cut diamonds, chemicals, textiles, clothing, agricultural products, metals; partners: US, EU, Japan
Imports: $22.5 billion; military equipment, investment goods, rough diamonds, oil, consumer goods; partners: EU, US, Japan

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NATIONAL MSTQ COORDINATION

1.1 None identified

METROLOGY AND CALIBRATION SERVICES

Primary laboratory and national coordinator

2.1 None identified

Accreditor

2.2 Laboratory Accreditation Committee
No address provided

Tel. (972-3) 575-1690; Fax (972-3) 575-1695
Internet: ISRAC@artvision.net.il

Legal metrology administrator

2.3 Controller of Weights, Measures and Standards
Ministry of Industry and Trade
P.O. Box 299
Jerusalem 91002

Tel. (972-2) 750111; Fax (972-2) 245110

This is a government body

STANDARDS DEVELOPMENT AND ADOPTION

Primary standards body

3.1 Standards Institution of Israel
42 Chaim Levanon Street
Tel Aviv 69977

Tel. (972-3) 646-5154; Fax (972-3) 641-9683
Internet: standard@netvision.net//

This is a private sector organization
Participate in: ISO, IEC, ITU, FAO/Codex
Founded 1945; staff 880; total number of committee members 4000
Annual budget: $63 million; portion of revenue from sales of publications and services 0.9%; testing and certification 78.4%; government subvention 4%
Number of standards published or approved by primary standards body 2100; voluntary 65%, mandatory 35%
Total number of publicly available standards 2100
Identical to technically equivalent, or based on international standards 10%

TESTING AND PRODUCT CERTIFICATION

National coordinator of laboratory accreditation

4.1 Same as 2.2

This is a government body

Government accreditor of testing laboratories

4.2 Same as 2.2

Private-sector accreditor of testing laboratories - None

Government accreditor of product certifiers - None

Private - sector accreditor of product certifiers - None

QUALITY MANAGEMENT REGISTRATION

Coordinator national quality awareness and implementation

5.1 Center for Quality and Excellence
Prime Minister's Office
No address provided

Number of facilities registered to ISO 9001 or ISO 9002 or national equivalents: 1100
Number of registrars geographically located in Israel 4.
Number of registrars accredited by the national accreditor - None

National accreditor of quality management system registrars - None

Certifier of quality assessors - None

RELATED INFORMATION

Certification of MSTQ related services are listed here:

	Voluntary	Mandatory	
A	☐	☐	Third-party technical inspection organizations
B	☐	☒	Welders
C	☐	☒	Non-destructive testing technicians
D	☐	☐	Quality Assessor certification bodies
E	☐	☐	Quality Assessor training providers
F	☐	☐	Quality training providers
G	☐	☐	Quality consultants
H	☐	☐	Other

Responsible certifying organizations are
6.1 B and C: Ministry of Labor

Environmental management systems
National standards exist. Number of facilities at which these standards are implemented - None
Number of EMS registrars geographically located in Israel 2
Number of EMS registrars accredited by the national accreditor - None

National accreditor of environmental management system registrars - None

WTO Enquiry Point

6.2 Same as 3.1

Tel. (972-3) 646-5154; Fax (972-3) 641-2762

A list of all mandatory standards is available in Hebrew, some in English
A list of all publicly available standards is available in Hebrew, some in English

Italy

BASIC DATA

Land area: 294 020 sq km; comparative area: slightly larger than Arizona
Population: 58 262 000; growth rate 0.21%; labor force: 24 million; literacy 97%, age 15 and over
GDP: $998.9 billion; real growth rate: 2.2%; national product per capita: $17 180
Exports: $190.8 billion; metals, textiles and clothing, production machinery, motor vehicles, transportation equipment, chemicals; partners: EU 53.4%, US 7.8%, OPEC 3.8%
Imports: $168.7 billion; industrial machinery, chemicals, transport equipment, petroleum, metals, foods, agricultural products; partners: EU 56.3%, OPEC 5.3%, US 4.6%

NATIONAL MSTQ COORDINATION

1.1 CNPC - Italian National Committee for Quality and Industrial Certification
c/o Ministero Industria
DGPI-DG XIX, via Molise 2
1-00187 Roma

Tel. (39-6) 4705-3069; Fax (39-6) 4788-7748
Internet: Min.Ind.Isp.Tecnico@agora.stm.it

METROLOGY AND CALIBRATION SERVICES

Primary laboratories and national coordinator

2.1.1
Instituto G. Colonneti
Strade delle Cacce 73
1-10135 Torino

Tel. (39-11) 39771; Fax (39-11) 397-7347

Member BIPM

2.1.2
Instituto Galileo Ferraris
C.so Massimo d'Azeglio 42
1-10125 Torino

Tel. (39-11) 348-8933; Fax (39-11) 650-7611

2.1.3
ENEA
Centro Casaccia
Via Anguillarese 301
00060 Santa Maria Galeria RM

Tel. (39-6) 3048-3555; Fax (39-6) 3048-3558

These are government bodies

Accreditor

2.2 SIT
Address same as 2.1.1

Number of accredited secondary calibration labs 72
Countries with MRAs: Denmark, Finland, France, Germany, Ireland, Norway, Netherlands, United Kingdom, Spain, Sweden, Switzerland, New Zealand, Australia, Hong Kong

Legal metrology administrator

2.3 Ufficio Centrale Metrico
Via Antonio Bosio 15
1-00161 Roma

Tel. (39-6) 841-6825; Fax (39-6) 841-4194

This is a government body
Member OIML

STANDARDS DEVELOPMENT AND ADOPTION

Primary standards body

3.1 UNI - Ente Nazionale Italiano di Unificazione
Via Battistotti Sassi 11/b
1-20153 Milano

Tel. (39-2) 700241; Fax (39-2) 7010-6106
Internet: webmaster@uni.unicei.it

Private body officially recognized by government
Participate in: ISO, IEC, ITU, FAO/Codex; Regional: CEN, CENELEC

Founded 1921; staff 107; total number of committee members 5000
Annual budget: $14.5 million; portion of revenue from sales of publications and services 34.3%; testing and certification 1.5%; private sector subscription 19.3%; government subvention 31.4%
Number of standards published or approved by primary standards body 10 400; voluntary 90%, mandatory 10%
Number of other standards bodies: government - None; private sector 1
Total number of publicly available standards 15 000
Identical to technically equivalent, or based on international standards 70%

TESTING AND PRODUCT CERTIFICATION

National coordinator of laboratory accreditation

4.1 Does not exist

Government accreditors of testing laboratories

4.2.1
Ministero Industria
Address same as 1.1

4.2.2
Ministero Sanità
Piazzale dell'Industria 20
1-00144 Roma Eur

Tel. (39-6) 5994

Number of EU recognized Notified Bodies 126

Private-sector accreditor of testing laboratories

4.3 SINAL
Via Campania 31
1-00187 Roma

Tel. (39-6) 487-1176; Fax (39-6) 481-4563

Participate in: Regional EAL
Number of private-sector accredited testing laboratories 123

Countries with MRAs: Holland, Switzerland, France, Finland, Germany, Australia, Denmark, Ireland, Hong Kong, Spain, Sweden, United Kingdom, Norway, New Zealand

Government accreditor of product certifiers

4.4 Same as 4.2

Private - sector accreditor of product certifiers

4.5 SINCERT
Via Battistotti Sassi 11
1-20133 Milano

Tel. (39-2) 719202; Fax (39-2) 719055

Participate in: Regional EAC
Number of accredited product certification bodies 6
Countries with MRAs: Finland, Netherlands, Norway, Switzerland, United Kingdom, Germany

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QUALITY MANAGEMENT REGISTRATION

Coordinators national quality awareness and implementation

5.1.1
AICQ - Italian Association for Quality
Via Cornalia 19
20124 Milano

Tel. (39-2) 6671-3425; Fax (39-2) 6671-2510

5.1.2
ANGQ
Via di Corticella 122
40128 Bologna

These are private sector organizations

National accreditor of quality management system registrars

5.2 Same as 4.5

Number of facilities registered to ISO 9001 or ISO 9002 or national equivalents 4000
Number of registrars accredited by the national accreditor 23

Certifiers of quality assessors

5.3.1
AICQ SICEV
Address same as 5.1.1

5.3.2
CEPAS
Via Castelrosso 10
1-00144 Roma

Tel. (39-6) 591-5373; Fax (39-6) 591-5374

These are a private sector organizations

RELATED INFORMATION

Certification of MSTQ related services are listed here:

	Voluntary	Mandatory	
A	☒	☐	Third-party technical inspection organizations
B	☒	☐	Welders
C	☒	☐	Non-destructive testing technicians
D	☒	☐	Quality Assessor certification bodies
E	☐	☐	Quality Assessor training providers
F	☐	☐	Quality training providers
G	☒	☐	Quality consultants
H	☐	☐	Other

Responsible certifying organizations are
6.1 A and D: Same as 4.5

6.2 B:
ILS
Lungobisagno Istria 15
1-16141 Genova

Tel. (39-10) 835-3049; Fax (39-10) 836-7780

6.3 C:
CICPnd
Piazza Diaz 2
1-20123 Milano

Tel. (39-2) 8646-4118; Fax (39-2) 8646-4126

6.4.1
G: Same as 5.1.1

6.4.2
G: Same as 5.3.2

6.4.3
G: Same as 3.1

Environmental management systems
National standards exist. Number of facilities at which these standards are implemented 10
Number of EMS registrars geographically located in Italy 5
Number of EMS registrars accredited by the national accreditor 1

National accreditor of environmental management system registrars

6.5.1
Same as 4.5

This is a private sector organization

6.5.2
ANPA
Via Vitaliano Brancati 48
1-00144 Roma

Tel. (39-6) 500721

This is a government body

WTO Enquiry Point

6.6.1
For WTO notifications:
MICA DGPI
Ministero Industria, Commercio e Artigianato
Direzione Generale Produzione Industriale
Divisione XIX
Via Molise 19
1-00187 Rome

Tel. (39-6) 4705-2669; Fax (39-6) 4788-7748

6.6.2
For technical regulations:
CNR STIBNOT
Consiglio Nazionale delle Ricerche
Ufficio transferimento innovazioni brevetti, normativa tecnia
Via Tiburtina 770
1-00159 Rome

Tel. (39-6) 407-5826; Fax (39-6) 4993-2440

6.6.3

For standards of all sectors, except
electrics and electronics which can be requested to
CEI:
Same as 3.1

6.6.4

For electrical and electronic standards:
CEI
Comitato Elettronico Italiano
Viale Monza 259
1-20126 Milan

Tel. (39-2) 257731; Fax (39-2) 2577-3201

Jamaica

BASIC DATA

Land area: 10 830 sq km; comparative area: slightly smaller than Connecticut
Population: 2 574 000; growth rate 0.78%; labor force: 1.06 million; literacy 82%, age 15 and over
GDP: $7.8 billion; real growth rate: 2%; national product per capita: $3 050
Exports: $1.2 billion; alumina, bauxite, sugar, bananas, rum; partners: US 47%, UK 11%, Canada 9%, Norway 7%, France 4%
Imports: $2.2 billion; machinery, transport equipment, construction equipment, fuel, food, chemicals; partners: US 54%, Japan 4%, Mexico 6%, UK 4%, Venezuela 3%

NATIONAL MSTQ COORDINATION

1.1 Jamaica Bureau of Standards
6 Winchester Road
P.O. Box 113
Kingston 10

Tel. (809) 926-31406; Fax (809) 929-4736

This is a government body

METROLOGY AND CALIBRATION SERVICES

Primary laboratory and national coordinator

2.1 Same as 1.1

Accreditor

2.2 No response

Legal metrology administrator

2.3 Same as 1.1

STANDARDS DEVELOPMENT AND ADOPTION

Primary standards body

3.1 Same as 1.1

Participate in: ISO, FAO/Codex
Founded 1968; staff 186
Annual budget: $2.4 million; government subvention 76%
Number of standards published or approved by primary standards body 250; voluntary 56%, mandatory 44%

TESTING AND PRODUCT CERTIFICATION

National coordinator of laboratory accreditation

4.1 Same as 1.1

Government accreditor of testing laboratories

4.2 Same as 1.1

Number of government accredited testing laboratories - No response

Private-sector accreditor of testing laboratories - None

Government accreditor of product certifiers

4.4 Same as 1.1

Private - sector accreditor of product certifiers - None

QUALITY MANAGEMENT REGISTRATION

Coordinator national quality awareness and implementation

5.1 Jamaica Society for Quality
Winchester Road
Kingston 10

Number of facilities registered to ISO 9001 or ISO 9002 or national equivalents - No response

National accreditor of quality management system registrars

5.2 Same as 1.1

RELATED INFORMATION

Certification of MSTQ related services - No response

Environmental Management systems - No response

WTO Enquiry Point

6.1 Same as 1.1

A list of all mandatory standards is available in English
A list of all publicly available standards is available in English

Japan

BASIC DATA

Land area: 374 744 sq km; comparative area: slightly smaller than California
Population: 125 500 000; growth rate 0.32%; labor force: 65.9 million; literacy 99%, age 15 and over
GDP: $2.53 trillion; real growth rate: 0.6%; national product per capita: $20 200
Exports: $395.5 billion; manufactures 97% (including machinery 46%, motor vehicles 20%, consumer electronics 10%); partners: Southeast Asia 33%, US 29%, Western Europe 18%, China 5%
Imports: $274.3 billion; manufactures 52%, fossil fuels 20%, food and raw materials 28%; partners: Southeast Asia 25%, US 23%, Western Europe 15%, China 9%

NATIONAL MSTQ COORDINATION

1.1 None identified

METROLOGY AND CALIBRATION SERVICES

Primary laboratory and national coordinator

2.1 National Research Laboratory of Metrology
1-4, Umezona 1-Chome, Tsukuba
Ibaraki 305

Tel. (81-298) 544149; Fax (81-298) 544135

This is a government body

Accreditor

2.2 No response

Legal metrology administrator

2.3 Same as 2.1
Member of OIML; Regional: APLMF

STANDARDS DEVELOPMENT AND ADOPTION

Primary standards body

3.1 Japanese Industrial Standards Committee
c/o Standards Department
Ministry of International Trade and Industry
1-3-1 Kasumigaseld, Chiyoda-ku
Tokyo 100

Tel. (81-3) 3501-2096; Fax (81-3) 3580-8637
Internet: http://www.hike.te.chiba-u.ac.jp/ikeda/JIS/what1.html

Participate in: ISO, IEC; Regional: PASC
Founded 1949; staff 95; total number of committee members 9231
Annual budget: $14.6 million; government subvention 100%
Number of standards published or approved by primary standards body 8100; voluntary 100%
Standards identical to, technically equivalent, or based on international standards 60%
Number of other standards bodies: government - 3; private sector - 200
Total number of publicly available standards 18 000 est.

TESTING AND PRODUCT CERTIFICATION

National coordinator of laboratory accreditation - Japan does not have a unified system for national coordination of laboratory accreditation.

Government accreditor of testing laboratories

4.1 International Trade and Industry Inspection Institute
MITI
48-10 Nishihara - 2 chome
Tokyo, Shibuya - KU

Private-sector accreditor of testing laboratories

4.2 No response

Government accreditor of product certifiers

4.3 No response

Private - sector accreditor of product certifiers

4.4 No response

QUALITY MANAGEMENT REGISTRATION

Coordinator national quality awareness and implementation

5.1 The Japan Accreditation Body for Conformity Assessment
4-6-11, Akasaka Orumu - Bldg. 3F,
Akasaka, Minato-ku
Tokyo 107

Tel. (81-3) 5561-0375; Fax (81-3) 5561-0376

Number of facilities registered to ISO 9001 or ISO 9002 or national equivalents 2700
Number of registrars geographically located in Japan 20
Number of registrars accredited by the national accreditor 15

National accreditor of quality management system registrars

5.2 Same as 5.1

This is a private sector organization
Foreign quality system registrars are not required to be registered/listed by the national accreditor
Participate in: ISO/TC 176; Regional PAC

Certifier of quality assessors

5.3 Same as 5.1

RELATED INFORMATION

Certification of MSTQ related services are listed here:

	Voluntary	Mandatory	
A	☐	☐	Third-party technical inspection organizations
B	☐	☐	Welders
C	☐	☐	Non-destructive testing technicians
D	☐	☐	Quality Assessor certification bodies
E	☒	☐	Quality Assessor training providers
F	☐	☐	Quality training providers
G	☐	☐	Quality consultants

No response regarding other services

Responsible certifying organizations are
6.1 E: Same as 5.1

Environmental management systems
National standards exist. Number of facilities at which these standards are implemented 0
Number of EMS registrars geographically located in Japan 0
Number of EMS registrars accredited by the national accreditor 0

National accreditor of environmental management system registrars

6.2 Same as 5.1

Participate in: ISO/TC 207

WTO Enquiry Point

6.3.1
Standards Information Service
First International Organization Division
Economic Affairs Bureau
Ministry of Foreign Affairs
2-2-1 Kasumigaseki, Chiyoda-ku
Tokyo

Tel. (81-3) 3580-3311; Fax (81-3) 3503-3136

6.3.2
Standards Information Service
Information Service Department
Japan External Trade Organization (JETRO)
2-2-5 Toranomon, Minato-ku
Tokyo

Tel. (81-3) 3582-6270; Fax (81-3) 3589-4179

A list of all mandatory standards is available in Japanese and English
A list of all publicly available standards is available in Japanese and English

Jordan

BASIC DATA

Land area: 88 884 sq km; comparative area: slightly smaller than Indiana
Population: 4 100 000; growth rate 2.69%; labor force: 600 000; literacy 83%, age 15 and over
GDP: $17 billion; real growth rate: 5.5%; national product per capita: $4280
Exports: $1.4 billion; phosphates, fertilizers, potash, agricultural products, manufactures; partners: India, Iraq, Saudi Arabia, EU, Indonesia, UAE
Imports: $3.5 billion; crude oil, machinery, transport equipment, food, live animals, manufactured goods; partners: EU, US, Iraq, Japan, Turkey

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NATIONAL MSTQ COORDINATION

1.1 Jordanian Institution for Standards and Metrology (JISM)
P.O. Box 941287
Amman 11194

Tel. (962-6)680139; Fax (962-6) 681099

This is a government body

METROLOGY AND CALIBRATION SERVICES

Primary laboratory and national coordinator

2.1 Same as 1.1

This is a government body

Accreditor

2.2 Planning is underway

Legal metrology administrator

2.3 Same as 1.1

This is a government body
Member OIML since 1973

STANDARDS DEVELOPMENT AND ADOPTION

Primary standards body

3.1 Same as 1.1

This is a government body
Participate in: ISO, FAO/Codex; Regional: AIDMO
Founded 1972; staff 121
Annual budget: $1.0 million; government subvention 100%
Number of standards published or approved by primary standards body 1030; mandatory 100%
Total number of publicly available standards 1030
Identical to technically equivalent, or based on international standards 20%

TESTING AND PRODUCT CERTIFICATION

National coordinator of laboratory accreditation

4.1 Currently being established

This is a government body

Government accreditor of testing laboratories

4.2 Same as 4.1

Number of government accredited testing laboratories - None; foreign accredited - None

Private-sector accreditor of testing laboratories - None

Number of accredited product certifiers: government agencies and institutions - None; private sector - None

Government accreditor of product certifiers

4.3 Same as 4.1

Countries with product certification MOUs or MRAs - None

Private - sector accreditor of product certifiers - None

QUALITY MANAGEMENT REGISTRATION

Coordinator national quality awareness and implementation

5.1 Currently being established

Number of facilities registered to ISO 9001 or ISO 9002 or national equivalents: 3
Number of registrars geographically located in Jordan 1.
Number of registrars accredited by the national accreditor - None

National accreditor of quality management system registrars

5.2 Same as 5.1

Countries with quality registration MOUs or MRAs - None
Foreign quality system registrars are not required to be registered/listed by the national accreditor

Certifier of quality assessors - None

RELATED INFORMATION

Certification of MSTQ related services are listed here:

	Voluntary	Mandatory	
A	☐	☒	Third-party technical inspection organizations
B	☐	☐	Welders
C	☐	☐	Non-destructive testing technicians
D	☐	☐	Quality Assessor certification bodies
E	☐	☐	Quality Assessor training providers
F	☐	☐	Quality training providers
G	☐	☐	Quality consultants
H	☐	☐	Other

Responsible certifying organizations are
6.1 A: Same as 1.1

Environmental management systems
National standards do not exist

Information Center

A list of all mandatory standards is available in Arabic and English
A list of all publicly available standards is available in Arabic and English

Kazakhstan

BASIC DATA

Land area:2 669 800 sq km; comparative area: slightly less than four times the size of Texas
Population: 17 377 000; growth rate 0.62%; labor force: 7356 million; literacy 98%, age 15 and over
GDP: $55.2 billion; real growth rate: -25%; national product per capita: $3200
Exports: $3.1 billion; oil, metals, chemicals, grain, wool, meat, coal; partners: Russia, Ukraine, Uzbekistan
Imports: $3.5 billion; machinery and parts, industrial materials, oil and gas; partners: Russia and other former Soviet republics, China

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NATIONAL MSTQ COORDINATION

1.1 Committee for Standardization, Metrology and Certification of the Republic of Kazakhstan
83 Altynsarin Avenue
480035 Almaty

Tel. (732-7) 221-0808; Fax (732-71) 228-6822

This is a government body

METROLOGY AND CALIBRATION SERVICES

Primary laboratory and national coordinator

2.1.1
National coordinator:
Committee for Standardization, Metrology and Certification
The Department of Legal Metrology
Address same as 1.1

Tel. (732-7) 221-7241; Fax (732-7) 228-6822

2.1.2
Primary metrology laboratory:
Almaty's Center for Standardization, Metrology and Certification - the National Center of Measurement Standards of the Republic of Kazakhstan
Address same as 1.1

Annual budget: $550 000; self supporting

Accreditor

2.2 Same as 1.1

Legal metrology administrator

2.3 Same as 2.1.2

This is a government body
Member OIML

STANDARDS DEVELOPMENT AND ADOPTION

Primary standards body

3.1 Same as 1.1

Tel. (732-7) 221-7241; Fax (732-7) 286-822

This is a government body
Participate in: ISO; Regional: CIS
Founded 1992; staff 40
Annual budget: $230 000; government subvention 70%
Number of standards published or approved by primary standards body 450; mandatory 100%
Number of standards bodies: 2 CIS committees and 14 technical committees
Total number of publicly available standards 19 393

TESTING AND PRODUCT CERTIFICATION

National coordinator of laboratory accreditation

4.1 Committee for Standardization, Metrology and Certification
The Department of Certification and Quality Systems
Address same as 1.1

Tel. (732-7) 221-7686; Fax (732-7) 228-6822

Government accreditor of testing laboratories

4.2 Same as 1.1

Number of government accredited testing laboratories 193; foreign accredited - None

Private-sector accreditor of testing laboratories - None

Number of accredited product certifiers: government agencies and institutions 27; private sector 17

Government accreditor of product certifiers

4.3 Same as 1.1

Private - sector accreditor of product certifiers - None

QUALITY MANAGEMENT REGISTRATION

Coordinator national quality awareness and implementation

5.1 Same as 1.1

National accreditor of quality management system registrars - None

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RELATED INFORMATION

Certification of MSTQ related services - No response

Environmental Management systems - No response

Kenya

BASIC DATA

Land area: 569 250 sq km; comparative area: slightly more than twice the size of Nevada
Population: 28 817 000; growth rate 0.99%; literacy 71%, age 15 and over
GDP: $33.1 billion; real growth rate: 3.3%; national product per capita: $1170
Exports: $1.45 billion; tea 25%, coffee 18%, petroleum products 11%; partners: EU 47%, Africa 23%, Asia 11%, US 4%, Middle East 3%
Imports: $1.85 billion; machinery and transportation equipment 29%, petroleum and petroleum products 15%, iron and steel 7%; partners: EU 46%, Asia 23%, Middle East 20%, US 5%

NATIONAL MSTQ COORDINATION

1.1 Kenya Bureau of Standards
P.O. Box 54974
Nairobi

Tel. (254-2) 502210; Fax (254-2) 503293
Internet: kebs@arsognapcorg

This is a government body

METROLOGY AND CALIBRATION SERVICES

Primary laboratory and national coordinator

2.1 Weights and Measures Department
Ministry of Commerce
P.O. Box 41071
Nairobi

Tel. (254-2) 504664

This is a government body

Legal metrology administrator

2.2 Same as 2.1

This is a government body

STANDARDS DEVELOPMENT AND ADOPTION

Primary standards body

3.1 Same as 1.1

This is a government body
Participate in: ISO, ITU, FAO/Codex; Regional: ARSO
Founded 1974; staff 500
Annual budget: $2.8 million; portion of revenue from sales of publications and services 0.2%; testing and certification 3.8%; private sector subscription 0.5%; government subvention 5.7%
Number of standards published or approved by primary standards body 1300; voluntary 33%, mandatory 67%

TESTING AND PRODUCT CERTIFICATION

National coordinator of laboratory accreditation

4.1 Planning is underway

Government accreditor of testing laboratories

4.2 Planning is underway

Private-sector accreditor of testing laboratories - None

Government accreditor of product certifiers

4.3 Planning is underway

Private - sector accreditor of product certifiers - None

QUALITY MANAGEMENT REGISTRATION

Coordinator national quality awareness and implementation

5.1 Planning is underway

National accreditor of quality management system registrars

5.2 Planning is underway

Certifier of quality assessors

5.3 Address same as 1.1

This is a government body

RELATED INFORMATION

Certification of MSTQ related services - No response

National accreditor of environmental management system registrars

6.1 Planning is underway

WTO Enquiry Point

6.2 Same as 1.1

Tel. (254-2) 502210; Fax (254-2) 503293
Internet: kebs@arsognapcorg

A list of all mandatory standards is available in English
A list of all publicly available standards is available in English

Korea, Republic of

BASIC DATA

Land area: 98 190 sq km; comparative area: slightly larger than Indiana
Population: 45 554 000; growth rate 1.04%; labor force: 20 million; literacy 96%, age 15 and over
GDP: $508.3 billion; real growth rate: 8.3%; national product per capita: $11 270
Exports: $96.2 billion; electronic and electrical equipment, machinery, steel, automobiles, ships, textiles, clothing, footwear, fish; partners: US 26%, Japan 17%, EU 14%
Imports: $102.3 billion; machinery, electronics and electrical equipment, oil, steel, transport equipment, textiles, organic chemicals, grains; partners: Japan 26%, US 24%, EU 15%

NATIONAL MSTQ COORDINATION

1.1 Industrial Standards Division
Ministry of Trade, Industry and Energy
1, Chungang-dong, Kwachon-city
Kyonggi-do 427-760

Tel. (82-2) 500-2582; Fax (82-2) 507-2155

METROLOGY AND CALIBRATION SERVICES

Primary laboratory and national coordinator

2.1 Korea Research Institute of Standards and Science
P.O. Box 102
Yusong, Taejon 305-600

Tel. (82-42) 861-7201; Fax (82-42) 861-1494

This is a government body
Annual budget: $28.8 million; portion of revenue from fees for services 14%; government subvention 86%
Member BIPM since 1957
Participate in: APMP

Accreditor

2.2 Korean National Institute of Technology and Quality
1599, Kwanyang-dong, Anyang-city
Kyonggi-do ~~430~~ 431-060

Tel. (82-343) 841861; Fax (82-343) 846077

This is a government body

Legal metrology administrator

2.3 Same as 2.2

This is a government body
Member OIML since 1978; Regional: APLMF

STANDARDS DEVELOPMENT AND ADOPTION

Primary standards body

3.1 Same as 1.1

Participate in: ISO, IEC; Regional: PASC, APEC/SCSC
Founded 1961; staff 53
Annual budget: $2.3 million; government subvention 100%
Number of standards published or approved by primary standards body 9400; voluntary 100%
Total number of publicly available standards 9400

TESTING AND PRODUCT CERTIFICATION

National coordinator of laboratory accreditation

4.1 National Accreditation Body
Korea Laboratory Accreditation Scheme (KOLAS)
Address same as 2.2

This is a government body
Participate in: ILAC; Regional: APLAC

Government accreditor of testing laboratories

4.2 Same as 4.1

Number of government accredited testing laboratories 37; Number of private-sector accredited testing laboratories - None

Government accreditor of product certifiers

4.3 Same as 4.1

Countries with product certification MOUs or MRAs - None

QUALITY MANAGEMENT REGISTRATION

Coordinator national quality awareness and implementation

5.1 Korea Accreditation Board - KAB
276-1, Daehung-dong, Mapo-ku
Seoul 121-080

Tel. (82-2) 702-4970; Fax (82-2) 702-2057

Number of facilities registered to ISO 9001 or ISO 9002 or national equivalents: 1230
Number of registrars geographically located in Korea 22. Number of registrars accredited by the national accreditor 10

National accreditor of quality management system registrars

5.2 Same as 5.1

Countries with quality registration MOUs or MRAs - None
Foreign quality system registrars are required to be registered/listed by the national accreditor
Participate in: ISO/TC 176; Regional PAC

Certifier of quality assessors

5.3 Same as 5.1

RELATED INFORMATION

Certification of MSTQ related services are listed here:

	Voluntary	Mandatory	
A	☒	☐	Third-party technical inspection organizations
B	☐	☐	Welders
C	☒	☐	Non-destructive testing technicians
D	☐	☐	Quality Assessor certification bodies
E	☒	☐	Quality Assessor training providers
F	☒	☐	Quality training providers
G	☐	☐	Quality consultants
H	☐	☐	Other

Responsible certifying organizations are
6.1 A, C, E, and F: Korean National Institute of Tech nology and Quality (KNITQ)
Address same as 2.2

Environmental management systems - No response

Participate in: ISO/TC 207

WTO Enquiry Point

6.2.1
For industrial products:
Same as 2.2

6.2.2
For agricultural products:
Technical Cooperation Division
International Agriculture Bureau
Ministry of Agriculture and Forestry
1, Chungang-dong, Kwachon-city
Kyonggi-do 427-760

Tel. (82-2) 503-7294; Fax (82-2) 507-2095
Internet: tcd@maff.go.kr

6.23

For fishery products:
Trade Promotion Division
Fishery Products Marketing Bureau
Ministry of Maritime Affairs and Fisheries
826-14 Yoksam-dong, Kangnan-gu
Seoul 135-080

Tel. (82-2) 753-6862; Fax (82-2) 753-8331

6.2.4

For health, sanitation and cosmetic products:
International Cooperation Division
Technological Cooperation Bureau
Ministry of Health and Welfare (MOHW)
1 Chungang-dong, Kwachon-city
Kyonggi-do 427-760

Tel. (82-2) 503-7524; Fax (82-2) 504-6418
Internet: invuioul@chollion.dacom.co.kr

A list of all mandatory standards is available in Korean
A list of all publicly available standards is available in Korean

Malaysia

BASIC DATA

Land area: 328 550 sq km; comparative area: slightly larger than New Mexico
Population: 19 724 000; growth rate 2.24%; labor force: 7.63 million; literacy 78%, age 15 and over
GDP: $166.8 billion; real growth rate: 8.7%; national product per capita: $8650
Exports: $56.6 billion; electronic equipment, petroleum and petroleum products, palm oil, wood and wood products, rubber, textiles; partners: Singapore 22%, US 20%, Japan 13%, UK 4%, Germany 4%, Thailand 4%
Imports: $55.2 billion; machinery, chemicals, food, petroleum products; partners: Japan 27%, US 17%, Singapore 15%, Taiwan 5%, Germany 4%, UK 3%, South Korea 3%

NATIONAL MSTQ COORDINATION

1.1 Currently being established

METROLOGY AND CALIBRATION SERVICES

Primary laboratory and national coordinator

2.1 Standards and Industrial Research Institute of Malaysia
National Measurement Centre
Persiaran Dato' Menteri, Section 2
P.O. Box 7035
40911 Shah Alam
Selangor Darul Ehsan

Tel. (603) 556-7834; Fax (603) 556-7841
Internet: skwoo@sirimi.sirim.my

This is a government body
Annual budget: $1.9 million; portion of revenue from fees for services 45%
Participate in: APMP, OIML, APLMF, APLAC

Accreditor

2.2 Malaysia Accreditation Council
21 st Floor, Wisma MPSA
Persiaran Perbandaran
40675 Shah Alam
Selangor Darul Ehsan

Tel. (603) 559-8033; Fax (603) 559-2497

This is a government body
Number of accredited secondary calibration labs 18

Legal metrology administrator

2.3 Enforcement Division
Ministry of Domestic Trade and Consumer Affairs
Tingkat 24-26, Putra Place
100 Jalan Putra
50622 Kuala Lumpur

Tel. (603) 443-3366; Fax (603) 442-5615

This is a government body
Member: APLMF

STANDARDS DEVELOPMENT AND ADOPTION

Primary standards body

3.1 Department of Standards of Malaysia
Address same as 2.2

Tel. (603) 559-8033; Fax (603) 559-2497

This is a private sector organization
Participate in: ISO, IEC, ITU, FAO/Codex
Number of standards published or approved by primary standards body 2000; voluntary 100%

TESTING AND PRODUCT CERTIFICATION

National coordinator of laboratory accreditation

4.1 Same as 2.2

Tel. (603) 559-8033; Fax (603) 559-2497

This is a government body
Participate in: ILAC; Regional: APLAC, ASEAN, CCSQ

Government accreditor of testing laboratories

4.2 Same as 2.2

Number of government accredited testing laboratories 71; foreign accredited 1

Private-sector accreditor of testing laboratories - None

Number of accredited product certifiers: government agencies and institutions - None; private sector - None

Government accreditor of product certifiers

4.3 Same as 2.2

Countries with product certification MOUs or MRAs - None

Private - sector accreditor of product certifiers - None

QUALITY MANAGEMENT REGISTRATION

Coordinator national quality awareness and implementation

5.1 Institute of Quality Control Malaysia
Address same as 2.2

Number of facilities registered to ISO 9001 or ISO 9002 or national equivalents: 836
Number of registrars geographically located in Malaysia 4. Number of registrars accredited by the national accreditor - None

National accreditor of quality management system registrars

5.2 Same as 2.2
Participate in: ISO/TC 176

RELATED INFORMATION

Certification of MSTQ related services are listed here:

	Voluntary	Mandatory	
A	☒	☐	Third-party technical inspection organizations
B	☐	☒	Welders
C	☐	☒	Non-destructive testing technicians
D	☒	☐	Quality Assessor certification bodies
E	☒	☐	Quality Assessor training providers
F	☒	☐	Quality training providers
G	☒	☐	Quality consultants
H	☐	☐	Other

Certifying organizations were not identified

Environmental management systems
National standards exist. Number of facilities at which these standards are implemented - pilot program underway
Number of EMS registrars geographically located in Malaysia 1
Number of EMS registrars accredited by the national accreditor - None

National accreditor of environmental management system registrars

6.1 Same as 2.2

WTO Enquiry Point

6.2 Same as 2.1

Tel. (603) 559-2601; Fax (603) 550-8095

A list of all mandatory standards is available in English
A list of all publicly available standards is available in English

Malta

BASIC DATA

Land area: 320 sq km; comparative area: slightly less than twice the size of Washington DC
Population: 370 000; growth rate 0.75%; labor force: 127 200; literacy 84%, age 15 and over
GDP: $3.9 billion; real growth rate: 4.4%; national product per capita: $10 760
Exports: $1.3 billion; machinery, clothing and footwear, printed matter; partners: Italy 32%, Germany 16%, UK 8%
Imports: $2.1 billion; food, petroleum, machinery and semimanufactured goods; partners: Italy 27%, Germany 14%, UK 13%, US 9%

NATIONAL MSTQ COORDINATION

1.1 None identified

METROLOGY AND CALIBRATION SERVICES

Primary laboratory and national coordinator

2.1 None identified

STANDARDS DEVELOPMENT AND ADOPTION

Primary standards body

3.1 Malta Board of Standards
Department of Industry
Triq il-Kukkanja
Santa Venera CMR 02

Tel. (356) 446250; Fax (356) 446257

Participate in: ISO, ITU, FAO/Codex
Founded 1965; staff 11; total number of committee members 9
Annual budget: $300 000; government subvention 100%
Number of standards published or approved by primary standards body 60; voluntary 48%, mandatory 52%
Total number of publicly available standards 60
Identical to technically equivalent, or based on international standards - None

TESTING AND PRODUCT CERTIFICATION

4.1 No response

QUALITY MANAGEMENT REGISTRATION

5.1 No response

RELATED INFORMATION

Certification of MSTQ related services - No response

Environmental Management systems
National standards do not exist.

Mauritius

BASIC DATA

Land area: 1850 sq km; comparative area: slightly less than 10.5 times the size of Washington, DC
Population: 1 127 000; growth rate 0.89%; labor force: 335 000 million; literacy 80%, age 15 and over
GDP: $9.3 billion; real growth rate: 4.7%; national product per capita: $8600
Exports: $1.32 billion; textiles 44%, sugar 40%, light manufactures 10%; partners: EU 77%, US 15%
Imports: $1.7 billion; manufactured goods 50%, capital equipment 17%, foods 13%, petroleum products 8%, chemicals 7%; partners: EU, US, Africa, Japan

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NATIONAL MSTQ COORDINATION

1.1 Mauritius Standards Bureau
Old Moka Road
Moka

Tel. (230) 464-7675; Fax (230) 464-1144 and (230) 433-5051

This is a parastatal body

METROLOGY AND CALIBRATION SERVICES

Primary laboratory and national coordinator

2.1 Same as 1.1

This is a government body
Annual budget: $200 000; government subvention 72%
Participate in: ARSO

Accreditor

2.2 Currently being established under the Ministry of Industry and Industrial Technology

Tel. (230) 201-2269; Fax (230) 212-8101

Legal metrology administrator

2.3 The Controller of Weights and Measures
Legal Metrology Division
Ministry of Trade and Shipping
Bell Village
Port Louis

Tel. (230) 208-1717; Fax (230) 212-6368

This is a government body
Member OIML since 1987

STANDARDS DEVELOPMENT AND ADOPTION

Primary standards body

3.1 Same as 1.1

Participate in: ISO, IEC, ITU, FAO/Codex; Regional: ARSO
Founded 1975; staff 43; total number of committee members 102
Annual budget: $0.75 million; portion of revenue from sales of publications and services 3%; testing and certification 12%; government subvention 85%
Number of standards published or approved by primary standards body 90; voluntary 95%, mandatory 5%
Total number of publicly available standards 173
Identical to technically equivalent, or based on international standards 70%

TESTING AND PRODUCT CERTIFICATION

National coordinator of laboratory accreditation

4.1 Currently being established

Participate in: ILAC

Government accreditor of testing laboratories

4.2 Currently being established

Private-sector accreditor of testing laboratories - None

Government accreditor of product certifiers

4.3 Currently being established

Private - sector accreditor of product certifiers - None

QUALITY MANAGEMENT REGISTRATION

Coordinator national quality awareness and implementation

5.1 Same as 1.1

Number of facilities registered to ISO 9001 or ISO 9002 or national equivalents: 9
Number of registrars geographically located in Mauritius 4. Number of registrars accredited by the national accreditor - None

National accreditor of quality management system registrars - None

Certifier of quality assessors - None

RELATED INFORMATION

Certification of MSTQ related services - No response

Environmental management systems
National standards exist.

National accreditor of environmental management system registrars

6.1 Currently being established

WTO Enquiry Point

6.2 Same as 1.1

A list of all mandatory standards is available in English
A list of all publicly available standards is available in English

Mexico

BASIC DATA

Land area: 1 923 040 sq km; comparative area: slightly less than three times the size of Texas
Population: 93 986 000; growth rate 1.9%; labor force: 26.2 million; literacy 88%, age 15 and over
GDP: $728.7 billion; real growth rate: 3.5%; national product per capita: $7900
Exports: $60.8 billion; crude oil, oil products, coffee, engines, motor vehicles, cotton, consumer electronics; partners: US 82%, Japan 1.4%, EU 5%
Imports: $79.4 billion; metal-working machinery, steel, agricultural machinery, electrical equipment, car parts for assembly, auto repair parts, aircraft, aircraft parts; partners: US 74%, Japan 4.7%, EU 11%

NATIONAL MSTQ COORDINATION

1.1 None identified

METROLOGY AND CALIBRATION SERVICES

Primary laboratory and national coordinator

2.1 Centro Nacional de Metrología (CENAM)
Carretera a los Cués, Km. 4.5
C.P. 76900 Querétaro

Tel. (5242) 110500/04; Fax (5242) 162626
Internet: servtec@cenam.mx

This is a government body
Annual budget: $16.3 million; portion of revenue from fees for services 8.8%; government subvention 91.2%
Member BIPM since 1994
Participate in: SIM

Accreditor

2.2 Dirección General de Normas
Av.Piente de Tecamachalco No. 6, 3° piso
Col. Lomas de Tecamachalco
C.P. 53950
Naucalpan, Estado de México

Tel. (525) 729-9480; Fax (525) 729-9484
Internet: cidgn@secofi.gob.mx

This is a government body
Number of accredited secondary calibration labs 36

Legal metrology administrator

2.3 Same as 2.2

Member OIML since 1993; Regional: APLMF

STANDARDS DEVELOPMENT AND ADOPTION

Primary standards body

3.1 Same as 2.2

This is a government body
Participate in: ISO, IEC, ITU, FAO/Codex; Regional: COPANT, NAFTA
Founded 1943; staff 210; total number of committee members 500
Annual budget: $0.3 million; government subvention 100%
Number of standards published or approved by primary standards body 5500; voluntary 98%, mandatory 2%
Number of standards bodies: national government 21; private sector 6
Total number of publicly available standards 6028

TESTING AND PRODUCT CERTIFICATION

National coordinator of laboratory accreditation

4.1 Same as 2.2

This is a government body

Government accreditor of testing laboratories

4.2 Same as 2.2

Number of government accredited testing laboratories 5; foreign accredited - None

Private-sector accreditor of testing laboratories

4.3 None identified

Number of private-sector accredited testing laboratories 209

Number of accredited product certifiers: government agencies and institutions 1; private sector 6

Government accreditor of product certifiers

4.4 Same as 2.2

Private - sector accreditor of product certifiers - None

QUALITY MANAGEMENT REGISTRATION

Coordinator national quality awareness and implementation

5.1 Same as 2.2
Number of facilities registered to ISO 9000 or ISO 9002 or national equivalents: 340

Number of registrars geographically located in Mexico 9. Number of registrars accredited by the national accreditor 2

National accreditor of quality management system registrars

5.2 Same as 2.2

This is a government body

Participate in: ISO/TC 176

RELATED INFORMATION

Certification of MSTQ related services - No response

Environmental management systems
National standards do not exist.

National accreditor of environmental management system registrars

6.1 Same as 2.2

This is a government body
Participate in: ISO/TC 207

WTO Enquiry Point

6.2 Same as 2.2

A list of all mandatory standards is available in Spanish
A list of all publicly available standards is available in Spanish

Mongolia

BASIC DATA

Land area: 1.565 million sq km; comparative area: slightly larger than Alaska
Population: 2 494 000; growth rate 2 58%
GDP: $4.4 billion; real growth rate: 2.5%; national product per capita: $1800
Exports: $360 billion; copper, livestock, animal products, cashmere, wool, hides, fluorspar, nonferrous metals; partners: former CMEA countries 62%, China 17%, EU 8%
Imports: $361 billion; machinery and equipment, fuels, foods, industrial goods, chemicals, building materials, sugar, tea; partners: Russia 75%, Austria 5%, China 5%

NATIONAL MSTQ COORDINATION

1.1 Mongolian National Institute for Standardization and Metrology
Ulaanbaatar - 51

Tel. (976) 135-8349; Fax (976) 135-8032

This is a government body

METROLOGY AND CALIBRATION SERVICES

Primary laboratory and national coordinator

2.1 Same as 1.1

Accreditor

2.2 No response

Legal metrology administrator

2.3 No response

STANDARDS DEVELOPMENT AND ADOPTION

Primary standards body

3.1 Same as 1.1

This is a government body
Participate in: ISO, ITU, FAO/Codex

Founded 1953; staff 100
Annual budget: $150 000; portion of revenue from sales of publications and services 8.4%; testing and certification 5.1%; government subvention 54.2%
Number of standards published or approved by primary standards body 3500; voluntary 9.4%, mandatory 90.6%
Number of other standards bodies - No response

TESTING AND PRODUCT CERTIFICATION

4.1 No response

QUALITY MANAGEMENT REGISTRATION

5.1 No response

RELATED INFORMATION

6.1 No response

Mozambique

BASIC DATA

Land area: 784 090 sq km; comparative area: slightly less than twice the size of California
Population: 18 115 000; growth rate 2.87%; literacy 33%, age 15 and over
GDP: $10.6 billion; real growth rate: 5.8%; national product per capita: $610
Exports: $150 million; shrimp 40%, cashews, cotton, sugar, copra, citrus; partners: Spain, South Africa, US, Portugal, Japan
Imports: $1.14 billion; food, clothing, farm equipment, petroleum; partners: South Africa, UK, France, Japan, Portugal

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NATIONAL MSTQ COORDINATION

1.1 National Institute of Standardization and Quality
C.P. 2983
Maputo

Tel. (258-1) 421409; Fax (258-1) 424585

This is a government body

METROLOGY AND CALIBRATION SERVICES

Primary laboratory and national coordinator

2.1 Planning is underway

Accreditor

2.2 Planning is underway

Legal metrology administrator

2.3 Planning is underway

STANDARDS DEVELOPMENT AND ADOPTION

Primary standards body

3.1 Same as 1.1

Founded 1993; staff 2
Annual budget: $250 000; government subvention 100%

TESTING AND PRODUCT CERTIFICATION

National coordinator of laboratory accreditation - None

Government accreditor of testing laboratories - None

Private-sector accreditor of testing laboratories - None

Government accreditor of product certifiers - None

Private - sector accreditor of product certifiers - None

QUALITY MANAGEMENT REGISTRATION

Coordinator national quality awareness and implementation

5.1 None identified

National accreditor of quality management system registrars - None

Certifier of quality assessors - None

RELATED INFORMATION

Certification of MSTQ related services - No response

Environmental Management systems - No response

WTO Enquiry Point

6.1 Planning is underway

Nepal

BASIC DATA

Land area. 136 800 sq km; comparative area: slightly larger than Arkansas
Population: 21 561 000; growth rate 2.44%; labor force: 8.5 million; literacy 26%, age 15 and over
GDP: $22.4 billion; real growth rate: 5%; national product per capita: $1060
Exports: $593 billion; carpets, clothing, leather goods, jute goods, grain; partners: India, US, Germany, UK
Imports: $899 billion; petroleum products 20%, fertilizer 11%, machinery 10%; partners: India, Singapore, Japan, Germany

NATIONAL MSTQ COORDINATION

1.1 None identified

METROLOGY AND CALIBRATION SERVICES

Primary laboratory and national coordinator

2.1 Nepal Bureau of Standards and Metrology
P.O. Box 985
Sundhara
Kathmandu

Tel. (977) 127-2689; Fax (977) 127-2689

This is a government body

Legal metrology administrator

2.2 Same as 2.1

STANDARDS DEVELOPMENT AND ADOPTION

Primary standards body

3.1 Same as 2.1

Participate in: ISO, ITU, FAO/Codex
Founded 1976; staff 84
Annual budget: $260 000; government subvention 100%
Number of standards published or approved by primary standards body 400; voluntary 99%, mandatory 1%

TESTING AND PRODUCT CERTIFICATION

4.1 No response

QUALITY MANAGEMENT REGISTRATION

5.1 No response

RELATED INFORMATION

6.1 No response

Netherlands

BASIC DATA

Land area: 33 920 sq km; comparative area: slightly less than twice the size of New Jersey
Population: 15 453 000; growth rate 0.52%; labor force: 6.4 million; literacy 99%, age 15 and over
GDP: $275.8 billion; real growth rate: 2%; national product per capita: $17 940
Exports: $153 billion; metal products, chemicals, processed food and tobacco, agricultural products; partners: EU 77%, Central and Eastern Europe 10%, US 4%
Imports: $137 billion; raw materials and semifinished products, consumer goods, transportation equipment, crude oil, food products; partners: EU 64%, US 8%

NATIONAL MSTQ COORDINATION

1.1 None identified

METROLOGY AND CALIBRATION SERVICES

Primary laboratory and national coordinator

2.1 NMI Van Swinden Labortorium
P.O. Box 654
NL 2600 AR Delft

Tel. (31-15) 269-1500; Fax (31-15) 261-2971
Internet: nmi@nmi.nl

This is a private sector organization
Annual budget: $14 million; portion of revenue from fees for services 40%; government subvention 60%
Member BIPM since 1929
Participate in: EUROMET

Accreditor

2.2 Raad Voor Accreditatie
P.O. Box 2768
3500 GT Utrecht

Tel. (31-30) 239-4500; Fax (31-30) 239-4539

This is a private sector organization
Number of accredited secondary calibration labs 68

Legal metrology administrator

2.3 GNMI Inspecties en Kansspeltechniek
P.O. Box 394
NL 3300 AJ Dordrecht

Tel. (31-78) 633-2332; Fax (31-78) 633-2309
Internet: nmi@nmi.nl

This is a private sector organization
Member OIML since 1955

STANDARDS DEVELOPMENT AND ADOPTION

Primary standards body

3.1 Nederlands Normalisatie-instituut
Kalfjeslaan 2
P.O. Box 5059
NL 2600 GB Delft

Tel. (31-15) 690255; Fax (31-15) 690130
Internet: [name]@nni.nl

This is a government body
Participate in: ISO, IEC, ITU, FAO/Codex; Regional: CEN, CENELEC
Founded 1919; staff 210
Annual budget: $31 million; portion of revenue from sales of publications and services 50%; private sector subscription 35%; government subvention 1%
Number of standards published or approved by primary standards body 6000; voluntary 100%

TESTING AND PRODUCT CERTIFICATION

National coordinator of laboratory accreditation

4.1 Same as 2.2

This is a private sector organization

Private-sector accreditor of testing laboratories

4.2 Same as 2.2

Number of private-sector accredited testing laboratories: No response
Number of EU recognized Notified Bodies - No response

Number of accredited product certifiers - No response

Private - sector accreditor of product certifiers

4.3 Same as 2.2

QUALITY MANAGEMENT REGISTRATION

Coordinator national quality awareness and implementation

5.1 Dutch Foundation for Quality
P.O. Box 84031
NL-3009 CA Rotterdam

Tel. (31-10) 455-4700; Fax (31-10) 455-8857

Number of facilities registered to ISO 9001 or ISO 9002 or national equivalents - No response
Number of registrars geographically located in the Netherlands - no response Number of registrars accredited by the national accreditor - No response

National accreditor of quality management system registrars

5.2 Same as 2.2

This is a private sector organization
Participate in: ISO/TC 176

Certifier of quality assessors

5.3 None identified

RELATED INFORMATION

Certification of MSTQ related services - No response

National accreditor of environmental management system registrars

6.1 Same as 2.2

This is a private sector organization
Participate in: ISO/TC 207

WTO Enquiry Point

6.2.1
For standards:
Same as 3.1

6.2.2
For conformity assessment procedures:
Same as 2.2

6.2.3
For technical regulations:
Ministry of Economic Affairs - Central Service Imports and Exports
Section EEC/WTO notifications, Engelse Kamp 2
P.O. Box 30003
9700 RD Groningen

Tel. (31-50) 523-9178; Fax (31-50) 523-9219

6.2.4
For nutrition and quality affairs:
Ministry of Agriculture, nature management and fisheries
P.O. Box 20401
2500 EK Den Haag

Tel. (31-70) 379-2456; Fax (31-70) 347-7552

6.2.5
For eco-labelling
Stichting Milieukeur
Eisenhowerlaan 150
2517 KP Den Haag

Tel. (31-70) 558-6300; Fax (31-70) 350-2517

New Zealand

BASIC DATA

Land area: 268 670 sq km; comparative area: about the size of Colorado
Population: 3 407 000; growth rate 0.52%; labor force: 1.6 million; literacy 99%, age 15 and over
GDP: $56.4 billion; real growth rate: 6.2%; national product per capita: $16 640
Exports: $11.2 billion; wool, lamb, mutton, beef, fish, cheese, chemicals, forestry products, fruits and vegetables; partners: Australia 20%, Japan 15%, US 12%, UK 6%
Imports: $10.4 billion; machinery and equipment, vehicles and aircraft, petroleum, consumer goods; partners: Australia 21%, US 18%, Japan 16%, UK 6%

NATIONAL MSTQ COORDINATION

1.1 None identified

METROLOGY AND CALIBRATION SERVICES

Primary laboratory and national coordinator

2.1.1
National coordinator:
National Standards Commission
P.O. Box 282
North Ryde, N.S.W. 2113

Tel. (61-2) 888-3922; Fax (61-2) 888-3033

2.1.2
Measurement Standards Laboratory:
New Zealand Institute for Industrial Research
P.O. Box 31-310
Lower Hutt

Tel. (64-4) 569-0000; Fax (64-4) 569-01173
Internet: c.sutton@iril.crinz

This is a government body
Annual budget: $3 million; portion of revenue from fees for services 16.4%; primary measurement standards 70.1%; research contracts 13.5%
Member BIPM since 1991
Participate in: APMP

Accreditor

2.2 Telarc New Zealand
Level One, 630 Great South Road
Greenlane
Auckland 1130
Postal: Private Bag 28 901
Remuera
Auckland 1136

Tel. (64-9) 525-0100; Fax (64-9) 525-1900
Website: http//www.telarc.govt.nz/telarc/

This is a government body
Number of accredited secondary calibration labs 39

Legal metrology administrator

2.3 Trade Measurement Unit
Ministry of Consumer Affairs
P.O. Box 1473
Wellington

Tel. (64-4) 474-2750; Fax (64-4) 473-9400
Internet: johnb@moc.govt.nz

This is a government body
Member OIML since 1955; Regional: APLMF

STANDARDS DEVELOPMENT AND ADOPTION

Primary standards body

3.1 Standards New Zealand
Private Bag 2439
Wellington 6020

Tel. (64-4) 498-5990; Fax (64-4) 498-5994

This is a private body officially recognized by government
Participate in: ISO, IEC, ITU, FAO/Codex; Regional: PASC
Founded 1965; staff 63
Annual budget: $6.25 million; portion of revenue from sales of publications and services 33%; testing and certifi-

cation 28%; private sector subscription 28%; government subvention 3%
Number of standards published or approved by primary standards body 1800; voluntary 99%, mandatory 1%

TESTING AND PRODUCT CERTIFICATION

National coordinator of laboratory accreditation

4.1 Same as 2.2

This is a private sector organization
Participate in: ILAC; Regional: APLAC

Private-sector accreditor of testing laboratories

4.2 Same as 2.2

Number of private-sector accredited testing laboratories - No response

Number of accredited product certifiers - None

Government accreditor of product certifiers - No response

Countries with product certification MOUs or MRAs - No response

Private - sector accreditor of product certifiers - No response

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QUALITY MANAGEMENT REGISTRATION

Coordinator national quality awareness and implementation

5.1 New Zealand Organization for Quality
P.O. Box 622
Parmeraton North

Tel. (64-6) 350-5825; Fax (64-6) 350-5820

Number of facilities registered to ISO 9001 or ISO 9002 or national equivalents 2000
Number of registrars geographically located in New Zealand 8. Number of registrars accredited by the national accreditor 8

National accreditor of quality management system registrars

5.2 Joint Accreditation System of Australia and New Zealand (JAS-ANZ)
P.O. Box 164
Civic Square
Act 2608
Australia

Tel. (61-6) 276-1999; Fax (61-6) 276-2041

Certifier of quality assessors

5.3 Quality Society of Austraasia
P.O. Box 742
Crows Nest
New South Wales 2065
Australia

Tel. (61-2) 9901-9940; Fax (61-2) 9901-4677

This is a private sector organization

RELATED INFORMATION

Certification of MSTQ related services are listed here:

	Voluntary	Mandatory	
A	☐	☐	Third-party technical inspection organizations
B	☐	☐	Welders
C	☐	☐	Non-destructive testing technicians
D	☒	☐	Quality Assessor certification bodies
E	☒	☐	Quality Assessor training providers
F	☐	☐	Quality training providers
G	☐	☐	Quality consultants
H	☐	☐	Other

Responsible certifying organizations are
6.1 D and E:
Same as 5.2

Environmental management systems
National standards exist.
Number of EMS registrars geographically located in New Zealand - 8
Number of EMS accredited by the national accreditor - None

National accreditor of environmental management system registrars

6.2 Same as 5.2

WTO Enquiry Point

6.3 Same as 3.1

Norway

BASIC DATA

Land area: 307 860 sq km; comparative area: slightly larger than New Mexico
Population: 4 331 000; growth rate 0.37%; labor force: 2.13 million; literacy 99%, age 15 and over
GDP: $95.7 billion; real growth rate: 5.5%; national product per capita: $22 170
Exports: $36.6 billion; petroleum and petroleum products 40%, metals and products 10.6%, fish and fish products 6.9%, chemicals 6.4%, natural gas 6%, ships 5.4%; partners: EU 66.3%, Nordic countries 16.3%, US 6%, Japan 1.8%
Imports: $29.3 billion; machinery and equipment 38.9%, chemicals and industrial inputs 26.6%, consumer goods 17.8%, foods 6.4%; partners: EU 48.6%, Nordic countries 25.1%, US 8.1%, Japan 8%

NATIONAL MSTQ COORDINATION

1.1 None identified

METROLOGY AND CALIBRATION SERVICES

Primary laboratory and national coordinator

2.1 Norwegian Metrology and Accreditation Service
Fetveien 99
2007 Kjeller

Tel. (47-2) 648-0100; Fax (47-2) 648-0101
Internet: postmaster@justeversenet.dep.telemax.no

This is a government body
Member BIPM since 1875
Participate in: EUROMET

Accreditor

2.2 Norwegian Accreditation Service
Address same as 2.1

This is a government body

Legal metrology administrator

2.3 Same as 2.1

STANDARDS DEVELOPMENT AND ADOPTION

Primary standards body

3.1 Norges Standardiseringsforbund
P.O. Box 7020 Homansbyen
N-0306 Oslo 3

Tel. (47-2) 46-6094; Fax (47-2) 46-4457

Participate in: ISO, IEC, ITU, FAO/Codex
Founded 1923; staff 39
Annual budget: $9 million; portion of revenue from sales of publications and services 64%; testing and certification 7.6%; private sector subscription 1%; government subvention 22%
Number of standards published or approved by primary standards body 3600; voluntary 90%, mandatory 10%

TESTING AND PRODUCT CERTIFICATION

National coordinator of laboratory accreditation

4.1 Norwegian Accreditation (NA)
Same as 2.2

Tel. (47) 2220-0226; Fax (47) 2220-7772
Internet: postmottak@juslervesenet.itep.telemax.i

This is a government body
Participate in: ILAC; Regional: EAL

Government accreditor of testing laboratories

4.2 Same as 2.2

Number of government accredited testing laboratories No response; foreign accredited - No response
Number of EU recognized Notified Bodies - No response

Number of accredited product certifiers - No response

Government accreditor of product certifiers

4.3 Same as 2.2

Countries with product certification MOUs or MRAs - No response

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QUALITY MANAGEMENT REGISTRATION

Coordinator national quality awareness and implementation

5.1 Norwegian Society for Quality
Brynsvelen 96
N-1352 Kolsas

Tel. (47-2) 137775; Fax (47-2) 133518
Internet: http://www.cybercomm.no/kvalitetskanalei

Number of facilities registered to ISO 9001 or ISO 9002 or national equivalents: 5
Number of registrars geographically located in Norway 5. Number of registrars accredited by the national accreditor 5

National accreditor of quality management system registrars

5.2 Same as 2.2

Countries with quality registration MOUs or MRAs - No response
Participate in: ISO/TC 176

Certifier of quality assessors

5.3 Planning is underway

RELATED INFORMATION

Certification of MSTQ related services - No response

Environmental management systems
National standards exist. Number of facilities at which these standards are implemented 4
Number of EMS registrars geographically located in Norway 2
Number of EMS accredited by the national accreditor 2

National accreditor of environmental management system registrars

6.1 Same as 2.2

WTO Enquiry Point

6.2 Same as 3.1

Pakistan

BASIC DATA

Land area: 778 720 sq km; comparative area. slightly less than twice the size of California
Population: 131 542 000; growth rate 1.28%; labor force: 36 million; literacy 35%, age 15 and over
GDP: $248.5 billion; real growth rate: 4%; national product per capita: $1930
Exports: $6.7 billion; cotton, textiles, clothing, rice, leather, carpets; partners: US, Japan, Hong Kong, UK, UAE, France
Imports: $9.5 billion; petroleum and petroleum products, machinery, transportation equipment, vegetable oils, animal fats, chemicals

NATIONAL MSTQ COORDINATION

1.1 Pakistan Standards & Quality Control Authority
No address provided

This is a government body

METROLOGY AND CALIBRATION SERVICES

Primary laboratory and national coordinator

2.1 Pakistan Standards Institution
39 Garden Road, Saddar
Karachi 74400

Tel. (92-21) 772-9527; Fax (92-21) 772-8124

This is a private body officially recognized by government

Legal metrology administrator

2.3 Same as 2.1

STANDARDS DEVELOPMENT AND ADOPTION

Primary standards body

3.1 Same as 2.1

Founded: None identified; staff 152

Annual budget: $815 000; portion of revenue from sales of publications and services 2.5%; testing and certification 25.5%; government subvention 62.4%
Number of standards published or approved by primary standards body 3500; voluntary 98.8%, mandatory 1.2%

TESTING AND PRODUCT CERTIFICATION

National coordinator of laboratory accreditation

4.1 None identified

Government accreditor of testing laboratories

4.2 None identified

Private-sector accreditor of testing laboratories

4.3 None identified

Government accreditor of product certifiers

4.4 None identified

Private - sector accreditor of product certifiers

4.5 None identified

QUALITY MANAGEMENT REGISTRATION

Coordinator national quality awareness and implementation

5.1 Pakistan Association for Reliability and Quality Assurance
A-567, Block-L, North Nazimabad
Karachi 74700

Number of facilities registered to ISO 9001 or ISO 9002 or national equivalents - No response

RELATED INFORMATION

Certification of MSTQ related services are listed here:

	Voluntary	Mandatory	
A	☒	☐	Third-party technical inspection organizations
B	☐	☐	Welders
C	☐	☐	Non-destructive testing technicians
D	☒	☐	Quality Assessor certification bodies
E	☒	☐	Quality Assessor training providers
F	☐	☐	Quality training providers
G	☐	☐	Quality consultants
H	☐	☐	Other

Responsible certifying organizations are

6.1 A, D and E:
Same as 2.1

Environmental Management systems - No response

WTO Enquiry Point

6.2 Economic Consultant
Ministry of Commerce
Government of Pakistan
Islamabad

Tel. (92-51) 821766; Fax (92-51) 825241

A list of all mandatory standards is available in English
A list of all publicly available standards is available in English

Peru

BASIC DATA

Land area: 1 285 000 sq km; comparative area: slightly smaller than Alaska
Population: 24 087 000; growth rate 1.8%; labor force: 8 million; literacy 82%
GDP: $73.6 billion; real growth rate: 8.6%; national product per capita: $3110
Exports: $4.1 billion; copper, zinc, fishmeal, crude petroleum and byproducts, lead, silver, coffee, cotton; partners: US 19%, Japan 9%, Italy, Germany
Imports: $5.1 billion; machinery, transport equipment, foods, petroleum, iron and steel, chemicals, pharmaceutical; partners: US 21%, Colombia, Argentina, Germany, Japan, Brazil

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NATIONAL MSTQ COORDINATION

1.1 Instituto Nacional de Defensa de la Competencia y de la Proteccion de la Propiedad Intelectual (INDECOPI)
Calle La Prosa No. 138
P.O. Box 145, Lima
San Borja, Lima 41

Tel. (51-1) 224-7800; Fax (51-1) 224-0348
Internet: metidaj@indecopi.gob.pe

This is a government body

METROLOGY AND CALIBRATION SERVICES

Primary laboratory and national coordinator

2.1 Servicio Nacional de Metrologia
Address Same as 1.1

This is a government body
Annual budget: $7.5 million
Participate in: SIM

Accreditor

2.2 Comisión de Relamentos Tecnicos y Comerciales (INDECOPI)
Same as 2.1

Tel. (51-1) 224-7800; Fax (51-1) 224-0346
Internet: cnmamelj@indecopi.gob.pe

This is a government body
Number of accredited secondary calibration labs - None

Legal metrology administrator

2.3 Same as 2.2

This is a government body
Member OIML since 1986

STANDARDS DEVELOPMENT AND ADOPTION

Primary standards body

3.1 Same as 2.2

This is a government body
Participate in: ISO, ITU, FAO/Codex; Regional: COPANT
Founded 1992; staff 100; total number of committee members 200
Annual budget: $7.5 million; government subvention 12%
Number of standards published or approved by primary standards body 3300; voluntary 99%, mandatory 1%
Total number of publicly available standards 3300
Identical to, technically equivalent, or based on international standards 10%

TESTING AND PRODUCT CERTIFICATION

National coordinator of laboratory accreditation

4.1 Same as 2.2

Government accreditor of testing laboratories

4.2 Same as 2.2

Number of government accredited testing laboratories - None; foreign accredited 9

Private-sector accreditor of testing laboratories - None

Number of accredited product certifiers: government agencies and institutions 1; private sector - None

Government accreditor of product certifiers

4.3 Same as 2.2

Private - sector accreditor of product certifiers - None

QUALITY MANAGEMENT REGISTRATION

Coordinator national quality awareness and implementation

5.1 Same as 2.2

Number of facilities registered to ISO 9001 or ISO 9002 or national equivalents - None

National accreditor of quality management system registrars

5.2 Same as 2.2

This is a government body
Participate in: COPANT

Certifier of quality assessors

5.3 Same as 2.2

RELATED INFORMATION

Certification of MSTQ related services are listed here:

	Voluntary	Mandatory	
A	☒	☐	Third-party technical inspection organizations
B	☒	☐	Welders
C	☒	☐	Non-destructive testing technicians
D	☒	☐	Quality Assessor certification bodies
E	☒	☐	Quality Assessor training providers
F	☒	☐	Quality training providers
G	☒	☐	Quality consultants
H	☐	☐	Other

Responsible certifying organizations are
6.1 A through G: Same as 2.2

Environmental management system
National standards exist

National accreditor of environmental management system registrars

6.2 Same as 2.2

WTO Enquiry Point

6.3 Same as 2.2

A list of all mandatory standards is available in Spanish
A list of all publicly available standards is available in Spanish

Philippines

BASIC DATA

Land area: 298 170 sq km; comparative area: slightly larger than Arizona
Population: 73 265 584; growth rate 2.23%; labor force: 24.12 million; literacy 94%, age 15 and over
GDP: $161.4 billion; real growth rate: 4.3%; national product per capita: $2310
Exports: $13.4 billion; electronics, textiles, coconut products, copper, fish; partners: US 39%, Japan 16%, Germany 5%, Hong Kong 5%, UK 4%
Imports: $21.3 billion; raw materials 40%, capital goods 25%, petroleum products 10%; partners: Japan 23%, US 20%, Taiwan 6%, Singapore 5%, South Korea 5%

NATIONAL MSTQ COORDINATION

1.1 None identified

METROLOGY AND CALIBRATION SERVICES

Primary laboratory and national coordinator

2.1 Metrology Laboratory
Industrial Technology Development Institute
Department of Science and Technology
P. Gil, Taft Avenue
Manila

This is a government body

Accreditor

2.2 No response

Legal metrology administrator

2.3 No response

STANDARDS DEVELOPMENT AND ADOPTION

Primary standards body

3.1 Bureau of Products Standards
Department of Trade and Industry
P.O. Box 3228 MCPO
361 Sen. Gil J. Puyat Avenue
Makati
Metro Manila 1200

Tel. (63-2) 890-4965; Fax (63-2) 890-4926
Internet: dtibpsrp@mnl.sequel.net

This is a government body
Participate in: ISO, ITU; Regional: ASEAN
Founded 1964; staff 100; total number of committee members 54
Annual budget: $910 000; portion of revenue from sales of publications and services 50%; testing and certification 40%; private sector subscription 10%
Number of standards published or approved by primary standards body 1700; voluntary 97%, mandatory 3%
Number of other standards bodies: national government 5; private sector 3
Total number of publicly available standards 3200
Identical to technically equivalent, or based on international standards 40%

TESTING AND PRODUCT CERTIFICATION

National coordinator of laboratory accreditation

4.1 Same as 3.1

Tel. (63-2) 890-4852; Fax (63-2) 4926

This is a government body
Participate in: ILAC; Regional: APLAC

Government accreditor of testing laboratories

4.2 Laboratory Accreditation Scheme
Address same as 3.1

Number of government accredited testing laboratories 2

Private-sector accreditor of testing laboratories

4.3 No response

Government accreditor of product certifiers

4.4 No response

Private - sector accreditor of product certifiers

4.5 No response

QUALITY MANAGEMENT REGISTRATION

Coordinator national quality awareness and implementation

5.1 Philippine Society for Quality Control (PSQC) (2)
c/o Magnolia Corporation
Surora Boulevard
Cubao, Quezon City

Tel. (63-2) 896-4464; Fax (63-2) 899-5925

Number of facilities registered to ISO 9001 or ISO 9002 or national equivalents: 142

National accreditor of quality management system registrars - None

Certifier of quality assessors - None

RELATED INFORMATION

Certification of MSTQ related services - No response

Environmental Management systems - No response

WTO Enquiry Point

6.1 Same as 3.1

Tel. (63-2) 890-4965; Fax (63-2) 890-4926

Poland

BASIC DATA

Land area: 304 510 sq km; comparative area: slightly smaller than New Mexico
Population: 38 792 442; growth rate 0.36%; labor force: 17.321 million; literacy 99%, age 15 and over
GDP: $191.18 billion; real growth rate: 5.5%; national product per capita: $4920
Exports: $16.3 billion; intermediate goods 26.5%, machinery and transport equipment 18.1%, miscellaneous manufactures 16.7%, foodstuffs 9.4%, fuels 8.4%; partners: Germany 33.4%, Russia 10.2%, Italy 5.3%, UK 4.3%
Imports: $18.1 billion; machinery and transport equipment 29.6%, intermediate goods 18.5%, chemicals 13.3%, fuels 12.5%, miscellaneous manufactures 10.1%; partners: Germany 35.8%, Italy 9.2%, Russia 8.5%, UK 6.6%

NATIONAL MSTQ COORDINATION

1.1 Does not exist

METROLOGY AND CALIBRATION SERVICES

Primary laboratory and national coordinator

2.1 Central Office of Measures
ul. Elektoralna 2
P.O. Box P-10
PL 00-950 Warsaw

Tel. (48-22) 620-0747; Fax (48-22) 620-8378

This is a government body
Annual budget: $12.63 million; Self-supporting
Member BIPM since 1925
Participate in: COOMET, WELMEC, EUROMET

Accreditor

2.2 Same as 2.1

This is a government body
Number of accredited secondary calibration labs - None

Legal metrology administrator

2.3 Same as 2.1

This is a government body
Member OIML since 1955

STANDARDS DEVELOPMENT AND ADOPTION

Primary standards body

3.1 Polish Committee for Standardization
ul. Elektoralna 2
P.O. Box 411
PL 00-950 Warsaw

Tel. (48-22) 620-5434; Fax (48-22) 620-0741
Internet: polknor@atos.warman.com.pl

This is a government body
Participate in: ISO, IEC, ITU, FAO/Codex; Regional: CEN, CENELEC, ETSI
Founded 1924; staff 314; total number of committee members 5823
Annual budget: $6.7 million; portion of revenue from sales of publications and services 3.3%; government subvention 96.7%
Number of standards published or approved by primary standards body 15 366; voluntary 82.6%, mandatory 17.4%
Number of other standards bodies - None
Total number of publicly available standards 15 366
Identical to, technically equivalent, or based on international standards 16.8%

TESTING AND PRODUCT CERTIFICATION

National coordinator of laboratory accreditation

4.1 National accreditation scheme of testing laboratories
Central Office for Products Quality
Swietokrzyska, 14B str.
PL 00-950 Warsaw

Tel. (48-22) 277071; Fax (48-22) 266765

This is a government body

Government accreditor of testing laboratories

4.2 Same as 4.1

Number of government accredited testing laboratories - None

Private-sector accreditor of testing laboratories

4.3 Polish Society for Certification and Testing
Address same as 4.1

Number of private-sector accredited testing laboratories ,- No response

Number of accredited product certifiers: government agencies and institutions - No response

Government accreditor of product certifiers

4.4 Same as 4.1

Countries with product certification MOUs or MRAs -No response

Private - sector accreditor of product certifiers

4.5 Same as 4.3

QUALITY MANAGEMENT REGISTRATION

Coordinator national quality awareness and implementation

5.1 Central Office for Products Quality
Same as 4.1

Number of facilities registered to ISO 9001 or ISO 9002 or national equivalents - No response

National accreditor of quality management system registrars

5.2 Same as 5.1

Certifier of quality assessors

5.3 None identified

RELATED INFORMATION

Certification of MSTQ related services are listed here:

	Voluntary	Mandatory	
A	☐	☒	Third-party technical inspection organizations
B	☐	☐	Welders
C	☐	☐	Non-destructive testing technicians
D	☒	☐	Quality Assessor certification bodies
E	☒	☐	Quality Assessor training providers
F	☒	☐	Quality training providers
G	☐	☐	Quality consultants
H	☐	☐	Other

Responsible certifying organizations are

6.1 A: Inspection Department
PCBC
No address provided

6.2 D, E and F: Training Department
PCBC
No address provided

Environmental management systems
National standards exist.

WTO Enquiry Point

6.2 Planning underway

Portugal

BASIC DATA

Land area: 91 640 sq km; comparative area: slightly smaller than Indiana
Population: 10 532 388; growth rate 0.36%; labor force: 4.24 million; literacy 85%, age 15 and over
GDP: $107.3 billion; real growth rate: 1.4%; national product per capita: $10 190
Exports: $15.4 billion; clothing and footwear, machinery, cork and paper products, hides and skins; partners: EU 72%, other developed countries 12.4%, US 4.3%
Imports: $24.3 billion; machinery and transport equipment, agricultural products, chemicals, petroleum, textiles; partners: EC 72%, other developed countries 10.9%, less developed countries 12.9%, US 3.4%

NATIONAL MSTQ COORDINATION

1.1 None identified

METROLOGY AND CALIBRATION SERVICES

Primary laboratory and national coordinator

2.1 Laboratório Central de Metrologia
Instituto Português dea Qualidade
Rua C à Avenida dos Três Vales
P-2825 Monte da Caparica

Tel. (351-1) 294-8196; Fax (351-1) 294-8188

This is a government body
Annual budget: $14.4 million; portion of revenue from fees for services 48%; government subvention 52%
Member BIPM since 1985
Participate in: EUROMET

Accreditor

2.2 Serviço de Accreditação
Address same as 2.1

Tel. (351-1) 294-8201; Fax (351-1) 294-8202

This is a government body
Number of accredited secondary calibration labs 25

Legal metrology administrator

2.3 Serviço de Metrologialogal

This is a government body
Member OIML since 1984

STANDARDS DEVELOPMENT AND ADOPTION

Primary standards body

3.1 Instituto Português da Qualidade
Address same as 2.1

Tel. (351-1) 294-8100; Fax (351-1) 294-8101

This is a government body
Participate in: ISO, IEC, ITU, FAO/Codex; Regional: COPANT, CEN, CENELEC
Founded 1986; staff 216
Annual budget: $13.5 million
Number of standards published or approved by primary standards body 2700; voluntary 90%, mandatory 10%

TESTING AND PRODUCT CERTIFICATION

National coordinator of laboratory accreditation

4.1 None identified

Government accreditor of testing laboratories

4.2 Certification Service
Address same as 2.1

Number of government accredited testing laboratories - No response
Number of EU recognized Notified Bodies - No response

Number of accredited product certifiers - no response

Government accreditor of product certifiers

4.3 Same as 4.2

Countries with product certification MOUs or MRAs - No response

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QUALITY MANAGEMENT REGISTRATION

Coordinator national quality awareness and implementation

5.1 Portuguese Association for Quality
Praca das Indústrias
PT-1300 Lisboa

Tel. (35-11) 363-6443; Fax (35-11) 645081

Number of facilities registered to ISO 9001 or ISO 9002 or national equivalents - No response

National accreditor of quality management system registrars

5.2 Same as 4.2

This is a government body

RELATED INFORMATION

Certification of MSTQ related services - No response

Environmental Management systems - No response

WTO Enquiry Point

6.1 Same as 3.1

Romania

BASIC DATA

Land area: 230 340 sq km; comparative area: slightly smaller than Oregon
Population: 23 198 330; growth rate 0.09%; labor force: 11.3 million; literacy 97%, age 15 and over
GDP: $64.7 billion; real growth rate: 3.4%; national product per capita: $2790
Exports: $6 billion; metals and metal products 17.6%, mineral products 11.9%, textiles 18.5%, electric machines and equipment 8.4%, transport materials 6.5%; partners: EC 36.1%, developing countries 27.4%, East and Central Europe 14.9%, EFTA 5.1%, Russia 5%, Japan 1.4%, US 1.3%
Imports: $6.3 billion; minerals 21.1%, machinery and equipment 19.7%, textiles 11.5%, agricultural goods 9.2%; partners: EC 45.8%, East and Central Europe 8.6%, developing countries 22.6%, Russia 11%, EFTA 6.2%, US 5.0%, Japan 0.8%

NATIONAL MSTQ COORDINATION

1.1 The National Commission for Standards, Metrology and Quality
P.O. Box 209
Bucharest

Tel. (400) 156692; Fax (400) 149437

This is a government body

METROLOGY AND CALIBRATION SERVICES

Primary laboratory and national coordinator

2.1 Institute National de Métrologie
11, Sos. Vitan-Bârzesti
75669 Bucharest

Tel. (40-1) 634-3520; Fax (40-1) 330-1533

This is a government body
Annual budget: $1 million; portion of revenue from fees for services 64%; government subvention 36%
Member BIPM since 1883
Participate in: COOMET, WELMEC
Accreditor

2.2 Bureau Roumain de Métrologie Légale
21, Boulevard Nicolae Balcescu
70112 Bucharest

Tel. (40-1) 613-1654; Fax (40-1) 312-0501

This is a government body
Number of accredited secondary calibration labs 14

Legal metrology administrator

2.3 Same as 2.2

This is a government body
Member OIML since 1956

STANDARDS DEVELOPMENT AND ADOPTION

Primary standards body

3.1 Institutul Român de Standardizare
Str. Jean-Louis Calderon Nr. 13
Sector 2
Bucuresti 2

Tel. (40-1) 211-3296; Fax (40-1) 210-0833

This is a government body
Founded 1970; staff 129
Annual budget: $800 000; government subvention 100%
Number of standards published or approved by primary standards body 14 000; voluntary 96%, mandatory 4%
Total number of publicly available standards 14 000

TESTING AND PRODUCT CERTIFICATION

National coordinator of laboratory accreditation

4.1 None identified

Government accreditor of testing laboratories

4.2 Same as 3.1

Number of government accredited testing laboratories - No response

Number of accredited product certifiers - No response

Government accreditor of product certifiers

4.3 Same as 3.1

Countries with product certification MOUs or MRAs - No response

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QUALITY MANAGEMENT REGISTRATION

Coordinator national quality awareness and implementation

5.1 Romanian Association for Quality
Str. Iani Buzoiani nr. 1
Bl. 16A, Et. 10, Ap. 42, Sector 1,
Bucharest

Tel. (40-1) 665-5304; Fax (40-1) 312-6945

Number of facilities registered to ISO 9001 or ISO 9002 or national equivalents 27
Number of registrars geographically located in Romania 5. Number of registrars accredited by the national accreditor 3

National accreditors of quality management system registrars

5.2.1
Romanian Institute for Standardization
Same as 3.1

5.2.2
Romanian Bureau for Legal Metrology
Same as 2.1

Foreign quality system registrars are required to be registered/listed by the national accreditor
Participate in: ISO/TC 176

Certifier of quality assessors - None

RELATED INFORMATION

Certification of MSTQ related services - No response

Environmental management systems
National standards do not exist

WTO Enquiry Point

6.1 Same as 3.1

Russia

BASIC DATA

Land area: 16 995 800 sq km; comparative area. slightly more than 1.8 times the size of the US
Population: 149 909 089; growth rate 0.2%; labor force: 85.0 million; literacy 98%, age 15 and over
GDP: $721.2 billion; real growth rate: -15%; national product per capita: $4820
Exports: $48 billion; petroleum and petroleum products, natural gas, wood and wood products, metals, chemicals, and a wide variety of civilian and military manufactures; partners: Europe, North America, Japan, Third World countries, Cuba
Imports: $35.7 billion; machinery and equipment, consumer goods, medicines, meat, grain, sugar, semifinished metal products; partners: Europe, North America, Japan, Third World countries, Cuba

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NATIONAL MSTQ COORDINATION

1.1 State Committee of the Russian Federation for Standardization, Metrology and Certification
Leninsky Prospekt 9
Moskva 117049

Tel. (7-095) 236-4044; Fax (7-095) 237-6032
Internet: gosstandard@sovcust

This is a government body

METROLOGY AND CALIBRATION SERVICES

Primary laboratory and national coordinator

2.1 Same as 1.1

Annual budget: $7 million; portion of revenue from fees for services 70%; government subvention 30%
Member BIPM since 1875
Participate in: COOMET

Accreditor

2.2 Same as 1.1

Number of accredited secondary calibration labs - No response

Legal metrology administrator

2.3 Same as 1.1

STANDARDS DEVELOPMENT AND ADOPTION

Primary standards body

3.1 Same as 1.1

This is a government body
Participate in: ISO, IEC, ITU, FAO/Codex
Founded 1991; staff 320; total number of committee members 370
Annual budget: $5.5 million; portion of revenue from sales of publications and services 5%; testing and certification 8%; private sector subscription 2%; government subvention 85%
Number of standards published or approved by primary standards body 22 000; voluntary 40%, mandatory 60%
Number of other standards bodies - None
Total number of publicly available standards 22 000
Identical to, technically equivalent, or based on international standards 20%

TESTING AND PRODUCT CERTIFICATION

National coordinator of laboratory accreditation

4.1 Same as 1.1

Government accreditor of testing laboratories

4.2 Same as 1.1

Number of government accredited testing laboratories 1829; foreign accredited 53

Private-sector accreditor of testing laboratories - None

Number of accredited product certifiers - No response

Government accreditor of product certifiers

4.3 Same as 1.1

Countries with product certification MOUs or MRAs - No response

Private - sector accreditor of product certifiers - None

QUALITY MANAGEMENT REGISTRATION

Coordinator national quality awareness and implementation

5.1 Same as 1.1

Number of facilities registered to ISO 9001 or ISO 9002 or national equivalents - No response
Number of registrars geographically located in Russia - No response

National accreditor of quality management system registrars

5.2 Same as 1.1

Countries with quality registration MOUs or MRAs - No response
Participate in: ISO/TC 176

Certifier of quality assessors

5.3 Same as 1.1

RELATED INFORMATION

Certification of MSTQ related services - No response

Environmental management system
National standards exist

National accreditor of environmental management system registrars

6.1 Same as 1.1

This is a government body
Participate in: ISO/TC 207

Saudi Arabia

BASIC DATA

Land area: 1 960 582 sq km; comparative area: slightly less than one-fourth the size of the US
Population: 18 729 576; growth rate 3.68%; labor force: 5 - 6 million; literacy 62%, age 15 and over
GDP: $173.1 billion; real growth rate: -3%; national product per capita: $9510
Exports: $39.4 billion; petroleum and petroleum products 92%; partners: US 20%, Japan 18%, Singapore 5%, France 5%, South Korea 5%
Imports: $28.9 billion; machinery, and equipment, chemicals, foodstuffs, motor vehicles, textiles; partners: US 21%, Japan 14%, UK 11%, Germany 8%, Italy 6%, France 5%

NATIONAL MSTQ COORDINATION

1.1 Saudi Arabian Standards Organization
Imam Saud Bin Abdul Aziz Bin Mohammed Road
(West End)
P.O. Box 3437
Riyadh 11471

Tel. (966-1) 452-000; Fax (966-1) 452-0086

This is a government body

METROLOGY AND CALIBRATION SERVICES

Primary laboratory and national coordinator

2.1 Same as 1.1

Annual budget: $10.4 million

Accreditor

2.2 Same as 1.1

Number of accredited secondary calibration labs - No response

Legal metrology administrator

2.3 Same as 1.1

STANDARDS DEVELOPMENT AND ADOPTION

Primary standards body

3.1 Same as 1.1

This is a government body
Participate in: ISO, IEC, ITU, FAO/Codex
Founded 1972; staff 512
Annual budget: $10.4 million; government subvention 100%
Number of standards published or approved by primary standards body 1132; voluntary 15%, mandatory 85%
Number of other standards bodies: national government - None
Total number of publicly available standards 1132

TESTING AND PRODUCT CERTIFICATION

National coordinator of laboratory accreditation

4.1 Same as 1.1

Tel. (966-1) 452-000x1317; Fax (966-1) 452-0115

This is a government body

Government accreditor of testing laboratories

4.2 Same as 1.1

Number of government accredited testing laboratories - No response

Private-sector accreditor of testing laboratories - None

Number of private-sector accredited testing laboratories - No response

Number of accredited product certifiers - No response

Government accreditor of product certifiers

4.3 Same as 1.1

Countries with product certification MOUs or MRAs - No response

Private - sector accreditor of product certifiers

4.4 Planning is underway

QUALITY MANAGEMENT REGISTRATION

Coordinator national quality awareness and implementation

5.1 Same as 1.1

Tel. (966-1) 452-000x1666; Fax (966-1) 452-0115

Number of facilities registered to ISO 9001 or ISO 9002 or national equivalents - No response
Number of registrars accredited by the national accreditor - Planning is underway

National accreditor of quality management system registrars

5.2 An accreditation Scheme for the six Gulf Cooperation Council countries, Bahrain, Kuwait, Oman, Qatar, Saudi Arabia and United Arab Emirates, is expected to be established in 1997. Accreditation of quality system registrars is expected to commence in 1998 following establishment of the Gulf Accreditation Scheme.

Tel. (966-1) 452-000x1666; Fax (966-1) 452-0115

This is a government body
Countries with quality registration MOUs or MRAs - Turkey

Certifier of quality assessors

5.3 Same as 5.2

RELATED INFORMATION

Certification of MSTQ related services are listed here:

	Voluntary	Mandatory	
A	☒	☐	Third-party technical inspection organizations
B	☐	☐	Welders
C	☐	☐	Non-destructive testing technicians
D	☐	☐	Quality Assessor certification bodies
E	☐	☐	Quality Assessor training providers
F	☐	☐	Quality training providers
G	☐	☐	Quality consultants
H	☐	☐	Other

Responsible certifying organizations are
6.1 A: Same as 5.2

Environmental management systems
National standards do not exist. Number of facilities at which these standards are implemented - None
Number of EMS registrars geographically located in Saudi Arabia - Planning is underway

National accreditor of environmental management system registrars

6.2 Same as 5.2

Singapore

BASIC DATA

Land area: 622.6 sq km; comparative area: slightly less than three-fifths the size of Washington, DC
Population: 2 890 468; growth rate 1.06%; labor force: 1.649 million; literacy 89%, age 15 and over
GDP: $57 billion; real growth rate: 10.1%; national product per capita: $19 940
Exports: $96.4 billion; computer equipment, rubber and rubber products, petroleum products, telecommunications equipment; partners: Malaysia 20%, US 19%, Hong Kong 9%, Japan 7%, Thailand 6%
Imports: $102.4 billion; aircraft, petroleum, chemicals, foodstuffs; partners: Japan 22%, Malaysia 16%, US 15%, Taiwan 4%, Saudi Arabia 4%

NATIONAL MSTQ COORDINATION

1.1 None identified

METROLOGY AND CALIBRATION SERVICES

Primary laboratory and national coordinator

2.1 National Measurement Centre
Singapore Productivity and Standards Board
No. 1 Science Park Drive
Singapore 118221

Tel. (65) 778-7777; Fax (65) 778-3798
Internet: sisirmsc@po.pacific.net.sg

This is a government body
Annual budget: $2.9 million; portion of revenue from fees for services 18%; government subvention 82%
Member BIPM since 1994
Participate in: APMP

Accreditor

2.2 SINGLAS
Address same as 2.1

Tel. (65) 778-7777; Fax (65) 779-3571

This is a government body
Number of accredited secondary calibration labs - No response

Legal metrology administrator

2.3 Weights and Measures Office
Ministry of Trade and Industry
Bright Hill Drive
Singapore 579498

Tel. (65) 453-2521; Fax (65) 458-1441

This is a government body
Member: APLMF

STANDARDS DEVELOPMENT AND ADOPTION

Primary standards body

3.1 Centre for Standardisation
Address same as 2.1

Participate in: ISO, IEC, ITU, FAO/Codex; Regional: PASC, ACCSQ, APEC
Founded 1963; staff 27; total number of committee members 600
Annual budget: $2.25 million
Number of standards published or approved by primary standards body 713; voluntary 87.5%, mandatory 12.5%
Total number of publicly available standards 713
Identical to, technically equivalent, or based on international standards 20%

TESTING AND PRODUCT CERTIFICATION

National coordinator of laboratory accreditation

4.1 Laboratory Accreditation
Address same as 2.1

This is a government body
Participate in: ILAC; Regional: APLAC

Government accreditor of testing laboratories

4.2 Same as 2.2

Number of government accredited testing laboratories 70; foreign accredited 0
Countries with MRAs: Australia, Hong Kong, New Zealand, US

Private-sector accreditor of testing laboratories - None

Government accreditor of product certifiers - None

Private - sector accreditor of product certifiers - None

QUALITY MANAGEMENT REGISTRATION

Coordinator national quality awareness and implementation

5.1 Quality Division
Address same as 2.1

Tel. (65) 772-9362; Fax (65) 872-0531
Internet: chanwc@pacific.net.sg

Number of facilities registered to ISO 9001 or ISO 9002 or national equivalents 750

RELATED INFORMATION

Certification of MSTQ related services - None identified

National accreditor of environmental management system registrars

6.1 Currently being established

Number of EMS registrars geographically located in Singapore 1

WTO Enquiry Point

6.2.1
For standards and product certification:
Singapore Productivity and Standards Board
No. 1 Science Park Drive, PSB Building
Singapore 118221

Tel. (65) 778-7777; Fax (65) 776-1280
Internet: ict@pacific.net.sg

6.2.2
For technical regulations for electrical safety of specific products:
Public Utilities Board
111 Somerset Road
PUB Building
Singapore 0923

Tel. (65) 235-8888; Fax (65) 731-3020

6.2.3
For technical regulations for processed foods and poisons:
Ministry of the Environment
Environment Building
40 Scotts Road
Singapore 0922

Tel. (65) 732-7733; Fax (65) 731-9456

6.2.4
For technical regulations for fish, meat, fruits and vegetables:
Primary Production Department
National Development Building
Maxwell Road
Singapore 0106

Tel. (65) 222-1211; Fax (65) 220-6068

A list of all mandatory standards is available in English and Chinese
A list of all publicly available standards is available in English and Chinese

Slovak Republic

BASIC DATA

Land area: 48 800 sq km; comparative area: about twice the size of New Hampshire
Population: 5 432 383; growth rate 0.54%; labor force: 2.484 million
GDP: $32.8 billion; real growth rate: 4.3%; national product per capita: $6070
Exports: $6.3 billion; machinery and transport equipment, chemicals, fuels, minerals, metals; partners: Czech Republic 37.7%, Germany 17.1%, Hungary 5.3%, Austria 5.3%, Italy 4.6%, Russia 4.0%, Poland 2.6%, Ukraine 1.8%, US 1.6%
Imports: $6.1 billion; machinery and transport equipment, fuels and lubricants, manufactured goods, raw materials, chemicals, agricultural products; partners: Czech Republic 29.9%, Russia 19.0%, Germany 13.2%, Austria 5.8%, Italy 4.3%, US 2.6%, Poland 2.4%, Ukraine 1.9%, Hungary 1.6%

NATIONAL MSTQ COORDINATION

1.1 Slovak Republic Office of Standards, Metrology and Testing
Štefanovicova 3
814 39 Bratislava

Tel. (42-7) 391085; Fax (42-7) 391050

This is a government body

METROLOGY AND CALIBRATION SERVICES

Primary laboratory and national coordinator

2.1 Slovak Institute of Metrology
Address same as 1.1

This is a government body
Annual budget: government subvention 100%
Member BIPM since 1993

Accreditor

2.2 Slovak National Accreditation System
Address same as 1.1

Tel. (42-7) 391416; Fax (42-7) 391050
This is a government body
Number of accredited secondary calibration labs 8

Legal metrology administrator

2.3 Same as 2.1

This is a government body
Member OIML since 1993

STANDARDS DEVELOPMENT AND ADOPTION

Primary standards body

3.1 Slovak Institute for Standardization
Address same as 1.1

Participate in: ISO, IEC, ITU, FAO/Codex; Regional: CEN, CENELEC, ETSI
Founded 1993; staff 50; total number of committee members 1350
Annual budget: $2.5 million; government subvention 100%
Number of standards published or approved by primary standards body 1500; voluntary 90%, mandatory 10%
Total number of publicly available standards 16 800
Identical to, technically equivalent, or based on international standards 23%

TESTING AND PRODUCT CERTIFICATION

National coordinator of laboratory accreditation

4.1 Same as 1.1

Participate in: ILAC; Regional: EAL, EAC

Government accreditor of testing laboratories

4.2 Slovak National Accreditation System
Address same as 2.2

Number of government accredited testing laboratories 61

Private-sector accreditor of testing laboratories - None

Number of accredited product certifiers: government agencies and institutions 1; private sector 2

Government accreditor of product certifiers

4.3 Same as 4.2

Countries with product certification MOUs: EAC - associated member; MRAs: IECEE/CB, CENELEC/CCA, Russia, Belarus, Poland, Slovenia, Czech Republic

Private - sector accreditor of product certifiers - None

QUALITY MANAGEMENT REGISTRATION

Coordinator national quality awareness and implementation

5.1 Ministry of Economy of Slovak Republic
Mierová 19
827 15 Bratislava

Tel. (42-7) 293363; Fax (42-7) 230158

Number of facilities registered to ISO 9001 or ISO 9002 or national equivalents: 76
Number of registrars geographically located in Slovakia 11. Number of registrars accredited by the national accreditor 6

National accreditor of quality management system registrars

5.2 Same as 4.2

Certifier of quality assessors

5.3 Same as 4.2

RELATED INFORMATION

Certification of MSTQ related services are listed here:

	Voluntary	Mandatory	
A	☐	☒	Third-party technical inspection organizations
B	☐	☐	Welders
C	☐	☐	Non-destructive testing technicians
D	☒	☐	Quality Assessor certification bodies
E	☐	☐	Quality Assessor training providers
F	☐	☐	Quality training providers
G	☐	☐	Quality consultants
H	☐	☐	Other

Responsible certifying organizations are
6.1 A: None identified

6.2 D: Same as 1.1

Environmental management systems
National standards exist. Number of facilities at which these standards are implemented 2
Number of EMS registrars geographically located in Slovakia 1
Number of EMS registrars accredited by the national accreditor 0

National accreditor of environmental management system registrars

6.3 Same as 4.2

WTO Enquiry Point

6.4 Same as 3.1
Karloveska cesta 63
842 45 Bratislava

Tel. (42-7) 397886; Fax 42-7) 397886

A list of all mandatory standards is available in Slovak and English
A list of all publicly available standards is available in Slovak and English

Slovenia

BASIC DATA

Land area: 20 296 sq km; comparative area: slightly larger than New Jersey
Population: 2 051 522; growth rate 0.24%; labor force: 786 036
GDP: $16 billion; real growth rate: 4%; national product per capita: $8110
Exports: $6.5 billion; machinery and transport equipment 27%, intermediate manufactured goods 26%, chemicals 9%, food 4.8%, raw materials 3%, consumer goods 26%; partners: Germany 29.5%, former Yugoslavia 15.8%, Italy 12.4%, France 8.7%, Austria 5.0%
Imports: $6.5 billion; machinery and transport equipment 30%, intermediate manufactured goods 17.6%, chemicals 11.5%, raw materials 5.3%, fuels and lubricants 10.8%, food 8.4%; partners: Germany 25.0%, Italy 16.1%, former Yugoslavia 10.7%, France 8.0%, Austria 8.5%

NATIONAL MSTQ COORDINATION

1.1 Standards and Metrology Institute of Slovenia (SMIS)
Kotnikova 6
SI-1000 Ljubljana

Tel. (386-61) 1312322; Fax (386-61) 314-882
Internet: smis@usm.mzt.si

This is a government body

METROLOGY AND CALIBRATION SERVICES

Primary laboratory and national coordinator

2.1 Same as 1.1

This is a government body
Annual budget: $800 000; government subvention 100%

Accreditor

2.2 Same as 1.1

This is a government body
Number of accredited secondary calibration labs 1

Legal metrology administrator

2.3 Same as 1.1

This is a government body
Member OIML since 1993

STANDARDS DEVELOPMENT AND ADOPTION

Primary standards body

3.1 Same as 1.1

This is a private sector organization
Participate in: ISO, IEC, ITU, FAO/Codex; Regional: CEN, CENELEC, ETSI
Founded 1991; staff 20; total number of committee members 2100
Annual budget: $800 000; portion of revenue from sales of publications and services 28%; government subvention 72%
Number of standards published or approved by primary standards body 1880; voluntary 100%
Number of other standards bodies: national government - None
Total number of publicly available standards 1880
Identical to, technically equivalent, or based on international standards 50%, others based on ENs

TESTING AND PRODUCT CERTIFICATION

National coordinator of laboratory accreditation

4.1 Same as 1.1

Government accreditor of testing laboratories

4.2 Same as 1.1

Number of government accredited testing laboratories 0; foreign accredited 0

Private-sector accreditor of testing laboratories - None

Number of accredited product certifiers: government agencies and institutions 13

Government accreditor of product certifiers

4.3 Same as 1.1

Countries with product certification MOUs or MRAs: Czech Republic, Bosnia and Herzegovina

Private - sector accreditor of product certifiers - None

QUALITY MANAGEMENT REGISTRATION

Coordinator national quality awareness and implementation

5.1 Same as 1.1

Number of facilities registered to ISO 9001 or ISO 9002 or national equivalents 150
Number of registrars geographically located in Slovenia 3. Number of registrars accredited by the national accreditor 1

National accreditor of quality management system registrars

5.2 Same as 1.1

Foreign quality system registrars are not required to be registered/listed by the national accreditor
Participate in: ISO/TC 176

Certifier of quality assessors - None

RELATED INFORMATION

Certification of MSTQ related services are listed here:

	Voluntary	Mandatory	
A	☒	☒	Third-party technical inspection organizations
B	☐	☒	Welders
C	☒	☐	Non-destructive testing technicians
D	☒	☐	Quality Assessor certification bodies
E	☐	☐	Quality Assessor training providers
F	☐	☐	Quality training providers
G	☐	☐	Quality consultants
H	☐	☐	Other

Responsible certifying organizations are
6.1 A, B, C and D: Same as 1.1

Environmental management systems
National standards do not exist

National accreditor of environmental management system registrars

6.2 Same as 1.1

This is a government body
Participate in: ISO/TC 207

WTO Enquiry Point

6.3 Same as 1.1

There are no mandatory standards
A list of all publicly available standards is available in Slovenian

South Africa

BASIC DATA

Land area: 1 219 912 sq km; comparative area: slightly less than twice the size of Texas
Population: 45 095 459; growth rate 2.61%; labor force: 13.4 million; literacy 76%, age 15 and over
GDP: $194.3 billion; real growth rate: 2%; national product per capita: $4420
Exports: $25.3 billion; gold 27%, other minerals and metals 20%-25%, food 5%, chemicals 3%; partners: Italy, Japan, US, Germany, UK, other EU countries, Hong Kong
Imports: $21.4 billion; machinery 32%, transport equipment 15%, chemicals 11%, oil, textiles, scientific instruments; partners: Germany, US, Japan, UK, Italy

NATIONAL MSTQ COORDINATION

1.1 South African Bureau of Standards
Private Bag X191
0001 Pretoria

Tel. (27-12) 428-7911; Fax (27-12) 344-1568
Internet: bdfoulis@csir.co.za

This is an autonomous body created by government

METROLOGY AND CALIBRATION SERVICES

Primary laboratory and national coordinator

2.1 Council of Scientific and Industrial Research
P.O. Box 976
0001 Pretoria

Tel. (27-12) 841-3139; Fax (27-12) 841-2832

This is an autonomous body created by government

Accreditor

2.2 National Calibration Service
P.O. Box 914-2142
0153 Wingate Park

Tel. (27-12) 841-2868; Fax (27-12) 841-2832

Number of accredited secondary calibration labs - No response

Legal metrology administrator

2.3 Trade Metrology Division
Address same as 1.1

STANDARDS DEVELOPMENT AND ADOPTION

Primary standards body

3.1 Same as 1.1

This is an autonomous body created by government
Participate in: ISO, IEC, ITU, FAO/Codex; Regional: ETSI
Founded 1945; staff 1372
Annual budget: $43 million; portion of revenue from sales of publications and services 3%; testing and certification 74%; government subvention 23%
Number of standards published or approved by primary standards body 4430; voluntary 99%, mandatory 1%
Total number of publicly available standards 4430
Identical to, technically equivalent, or based on international standards 22%

TESTING AND PRODUCT CERTIFICATION

National coordinator of laboratory accreditation

4.1 Same as 1.1

Government accreditor of testing laboratories

4.2 Same as 1.1

Number of government accredited testing laboratories 86

Private-sector accreditor of testing laboratories - None

Government accreditor of product certifiers - No response

Private - sector accreditor of product certifiers - None

QUALITY MANAGEMENT REGISTRATION

Coordinator national quality awareness and implementation

5.1 South African Quality Institute
P.O. Box 121
Groenkloof 0027 Pretoria

Tel. (27-12) 428-6934; Fax (27-12) 428-6546

Number of facilities registered to ISO 9001 or ISO 9002 or national equivalents 7200
Number of registrars geographically located in South Africa 7

National accreditor of quality management system registrars

5.2 South African National Accreditation System
No address identified

This is a joint government organization

Certifier of quality assessors

5.3 Southern African Council for Certification of Quality System Auditors
Address same as 5.1

Tel. (27-12) 428-6545; Fax (27-12) 428-6546

This is a private sector organization

RELATED INFORMATION

Certification of MSTQ related services are listed here:

	Voluntary	Mandatory	
A	☒	☒	Third-party technical inspection organizations
B	☒	☐	Welders
C	☒	☐	Non-destructive testing technicians
D	☒	☐	Quality Assessor certification bodies
E	☒	☐	Quality Assessor training providers
F	☒	☐	Quality training providers
G	☒	☐	Quality consultants
H	☐	☐	Other

Responsible certifying organizations are
6.1 A through G: Same as 1.1

Environmental management systems
Number of EMS registrars geographically located in South Africa 1
Number of EMS accredited by the national accreditor 1

National accreditor of environmental management system registrars

6.2 Southern African Council for Certification of Quality System Auditors
Same as 5.2

WTO Enquiry Point

6.3 Foreign Trade Relations
Department of Trade and Industry
Private Bag X84
0001 Pretoria

Tel. (27-12) 310-9791; Fax (27-12) 320-7905

A list of all mandatory standards is available
A list of all publicly available standards is not available

Spain

BASIC DATA

Land area: 499 400 sq km; comparative area: slightly more than twice the size of Oregon
Population: 39 404 348; growth rate 0.27%; labor force: 14.621 million; literacy 96%, age 15 and over
GDP: $515.8 billion; real growth rate: 1.8%; national product per capita: $13 120
Exports: $72.8 billion; cars and trucks, semifinished manufactured goods, foodstuffs, machinery; partners: EC 71.2%, US 4.8%, other developed countries 7.9%
Imports: $92.5 billion; machinery, transport equipment, fuels, semifinished goods, foodstuffs, consumer goods, chemicals; partners: EC 60.7%, US 7.4%, other developed countries 11.5%, Middle East 5.9%

NATIONAL MSTQ COORDINATION

1.1 None identified

METROLOGY AND CALIBRATION SERVICES

Primary laboratory and national coordinator

2.1 Centro Espanol de Metrologia
C/del alfar 2
28760 Tres Cantos
Madrid

Tel. (34-1) 807-4700; Fax (34-1) 807-4807

This is a government body
Annual budget: $8 million; portion of revenue from fees for services 80%; government subvention 20%
Member BIPM since 1875

Accreditor

2.2.1
Centro Espanol de Metrologia
Same as 2.1

2.2.2
Entidad Nacional de Acreditación
Red Espanola de Laboratorios de Ensayo
Avda. de Concha Espina, 65, 2.0
Madrid E-28016

Tel. (34-1) 564-9687; Fax (34-1) 563-0454

Number of accredited secondary calibration labs 50

Legal metrology administrator

2.3 Same as 2.1

Member OIML since 1955

STANDARDS DEVELOPMENT AND ADOPTION

Primary standards body

3.1 Asociación Espanola de Normalización y Certificación (AENOR)
Calle Fernández de la Hoz, 52
E-28010 Madrid

Tel. (34-1) 310-4851 Fax. (34-1) 310-4976

This is a private sector organization
Participate in: ISO, IEC; Regional: CEN, CENELEC, COPANT
Founded 1985; staff 180; total number of committee members 114
Annual budget: $25 million; portion of revenue from sales of publications and services 14.8%; testing and certification 63.3%; private sector subscription 3.52%; government subvention 10.08%
Number of standards published or approved by primary standards body 10 800; voluntary 80%, mandatory 20%
Number of other standards bodies: national government 1
Total number of publicly available standards 11 900

TESTING AND PRODUCT CERTIFICATION

National coordinator of laboratory accreditation

4.1 Entidad Nacional de Acreditación (ENAC)
Calle Serrano, 240-70 planta
E-28016 Madrid

Tel. (34-1) 457-3289; Fax (34-1) 458-6280

This is a private sector organization

Government accreditor of testing laboratories - None

Number of government accredited testing laboratories - No response
Number of EU recognized Notified Bodies - No response

Private-sector accreditor of testing laboratories

4.2 Same as 4.1

Number of accredited product certifiers - No response

Government accreditor of product certifiers - None

Private - sector accreditor of product certifiers

4.3 Same as 4.1

QUALITY MANAGEMENT REGISTRATION

Coordinator national quality awareness and implementation

5.1 None identified

Number of facilities registered to ISO 9001 or ISO 9002 or national equivalents 1450
Number of registrars geographically located in Spain 11.
Number of registrars accredited by the national accreditor 3

National accreditor of quality management system registrars

5.2 Same as 4.1

Participate in: ISO/TC 176; Regional: CEN/PCT

Certifier of quality assessors - None

RELATED INFORMATION

Certification of MSTQ related services -No response

Environmental management systems

National accreditor of environmental management system registrars

6.1 Same as 4.1

WTO Enquiry Point

6.2.1
For standards:
Same as 3.1

6.2.2
For all other matters:
Ministerio de Comercia y Turismo
Dirección General de Comercio Exterior
Subdirección General de Control, Inspección y Normalización de Comercio Exterior
Ps. de la Castellana, 162, 6a Planta
E-28071 Madrid

Tel. (34-1) 349-3770; Fax (34-1) 349-3740

A list of all mandatory standards is not available
A list of all publicly available standards is available in Spanish

Sri Lanka

BASIC DATA

Land area: 64 740 sq km; comparative area: slightly larger than West Virginia
Population: 18 342 660; growth rate 1.15%; labor force: 6.6 million; literacy 88%, age 15 and over
GDP: $57.6 billion; real growth rate: 5%; national product per capita: $3190
Exports: $2.9 billion; garments and textiles, teas, diamonds, other gems, petroleum products, rubber products, other agricultural products, marine products, graphite; partners: US 35.2%, Germany, UK, Belgium-Luxembourg, Japan, Netherlands, France
Imports: $4 billion; textiles and textile materials, machinery and equipment, transport equipment, petroleum, building materials; partners: Japan, India, Hong Kong, South Korea, Taiwan, Singapore, China

NATIONAL MSTQ COORDINATION

1.1 None identified

METROLOGY AND CALIBRATION SERVICES

Primary laboratory and national coordinator

2.1 No response

Legal metrology administrator

2.3 Measurement Standards, and Services Division
Department of Internal Trade
101, Park Road
Colombo 5

Tel. (941) 83261

STANDARDS DEVELOPMENT AND ADOPTION

Primary standards body

3.1 Sri Lanka Standards Institution
53 Dharmapala Mawatha
P.O. Box 17
Colombo 3

Tel. (941) 226051; Fax (941) 446018

This is a government body
Participate in: ISO, ITU, FAO/Codex
Founded 1965; staff 340
Annual budget: $2.5 million; portion of revenue from sales of publications and services 2%; testing and certification 2%; government subvention 75%
Number of standards published or approved by primary standards body 1300; voluntary 93%, mandatory 7%
Number of other standards bodies - None
Total number of publicly available standards 1300

TESTING AND PRODUCT CERTIFICATION

4.1 No response

QUALITY MANAGEMENT REGISTRATION

5.1 No response

RELATED INFORMATION

Certification of MSTQ related services - No response

Environmental Management systems - No response

WTO Enquiry Point

6.2 Director of Commerce
Department of Commerce
"Rakshana Mandiraya"
21 Vauxhall Street
Colombo 2

Tel. (941) 436114; Fax (941) 430233

A list of all mandatory standards is available in English
A list of all publicly available standards is available in English

Sweden

BASIC DATA

Land area: 410 928 sq km; comparative area: slightly smaller than California
Population: 8 821 759; growth rate 0.46%; labor force: 4.552 million; literacy 99%, age 15 and over
GDP: $163.1 billion; real growth rate: 2.4%; national product per capita: $18 580
Exports: $59.9 billion; machinery, motor vehicles, paper products, pulp and wood, iron and steel products, chemicals, petroleum and petroleum products; partners: EC 55.8% (Germany 15%, UK 9.7%, Denmark 7.2%, France 5.8%), EFTA 17.4% (Norway 8.4%, Finland Us 5.1%), US 8.2%, Central and Eastern Europe 2.5%
Imports: $49.6 billion; machinery, petroleum and petroleum products, chemicals, motor vehicles, goodstuffs, iron and steel, clothing; partners: EC 53.6%, EFTA 12.6%, US 8.4%, Central and Eastern Europe 3%

NATIONAL MSTQ COORDINATION

1.1 None identified

METROLOGY AND CALIBRATION SERVICES

Primary laboratories and national coordinators

2.1.1
Sveriges Provnings-och Forskningsinstitut AB (SP)
Swedish National Testing and Research Institute
Box 857
S-501 15 Boras

Tel. (46-3) 316-5000; Fax (46-3) 316-5610

Limited company owned by the state

2.1.2
Flygtekniska Forsoksanstalten (FFA)
The Aeronautical Research Institute of Sweden
Riksmatplatsen for tryck
Box 11021
S-161 66 Bromma

Tel. (46-8) 634-1000; Fax (46-8) 258734

This is a government body

2.1.3
FFV Mätteknik AB
Riksmaplats, Avd AM58
Box 1015
S-732 26 Arboga

Tel. (46-5) 898-3100; Fax (46-5) 891-5910

Limited company owned by the state

2.1.4
Statens Stralskyddsinstitut (SSI)
Swedish Radiation Protection Agency
171 16 Stockholm

Tel. (46-8) 729-7100; Fax (46-8) 729-7108

This is a government body

Accreditor

2.2 Swedish Board for Accreditation and Conformity Assessment (SWEDAC)
Box 878
S-50115 Boros
and
Box 2231
S-10315 Stockholm

Tel. (46-33) 177700; Fax (46-33) 101392
Internet: info@swedac.se

Number of accredited secondary calibration labs - No response

Legal metrology administrator

2.3 Same as 2.2

This is a government body
Member of OIML since 1955

STANDARDS DEVELOPMENT AND ADOPTION

Primary standards body

3.1 Standardiseringen I Sverige
St Eriksgatan 115
Box 6455
S-113 82 Stockholm

Tel. (46-8) 610-3000; Fax (46-8) 307757
Internet: info@sis.se

This is a private body officially recognized by the government
Participate in: ISO, IEC, ITU, FAO/Codex; Regional: CEN, CENELEC, ETSI
Founded 1922; staff 107; total number of committee members 6500
Annual budget: $37 million; portion of revenue from sales of publications and services 48%; testing and certification 11%; private sector subscription 3%; government grants 13%
Number of standards published or approved by primary standards body 12 094; voluntary 100%
Number of other standards bodies: private sector 8
Total number of publicly available standards 12 094
Identical to, technically equivalent, or based on international standards 60%

TESTING AND PRODUCT CERTIFICATION

National coordinator of laboratory accreditation

4.1 Same as 2.2

Participate in: ILAC, IAE; Regional: EAL, EAC

Government accreditor of testing laboratories

4.2 Same 2.2

Number of government accredited testing laboratories 380
Number of EU recognized Notified Bodies 12

Private-sector accreditor of testing laboratories - None

Number of accredited product certifiers: private sector 9
Government accreditor of product certifiers

4.3 Same as 2.2

Countries with product certification MOUs or MRAs - Members of EAC

Private - sector accreditor of product certifiers - None

QUALITY MANAGEMENT REGISTRATION

Coordinator national quality awareness and implementation

5.1 Swedish Association for Quality
c/o Sveriges Mekanfrderbund
P.O. Box 5506
S-11484 Stockholm

Tel. (46-8) 783-0171; Fax (46-8) 660-3378

Number of facilities registered to ISO 9001 or ISO 9002 or national equivalents - No response
Number of registrars geographically located in Sweden - No response

National accreditor of quality management system registrars

5.2 Same as 2.2

This is a government body
Countries with quality registration MOUs or MRAs - Members of EAC

Certifier of quality assessors

5.3 None identified

RELATED INFORMATION

Certification of MSTQ related services are listed here:

	Voluntary	Mandatory	
A	☒	☒	Third-party technical inspection organizations
B	☒	☒	Welders
C	☒	☒	Non-destructive testing technicians
D	☐	☐	Quality Assessor certification bodies
E	☐	☐	Quality Assessor training providers
F	☐	☐	Quality training providers
G	☐	☐	Quality consultants
H	☐	☐	Other

Responsible certifying organizations are
6.1 A, B and C: Same as 2.2

Environmental management systems - No response

National accreditor of environmental management system registrars

6.2 Same as 2.2

This is a government body

WTO Enquiry Point

6.3.1

For regulations:
Kommerskollegium (National Board of Trade)
WTO Enquiry Point
Box 1209
S-111 82 Stockholm

Tel. (46-8) 791-0500; Fax (46-8) 246739
Internet: registry@kommers.se

6.3.2

For standards:
Same as 3.1

A list of all mandatory standards is not available
A list of all publicly available standards is available in Swedish and English

Switzerland

BASIC DATA

Land area: 39 770 sq km; comparative area: slightly mores than twice the size of New Jersey
Population: 7 084 984; growth rate 0.57%; labor force: 3.48 million; literacy 99%, age 15 and over
GDP: $148.4 billion; real growth rate: 1.8%; national product per capita: $22 080
Exports: $69.6 billion; machinery and equipment, precision instruments, metal products, foodstuffs, textiles and clothing; partners: Western Europe 63.1%, (EU countries 56%, other 7.1%), US 8.8%, Japan 3.4%
Imports: $68.2 billion; agricultural products, machinery and transportation equipment, chemicals, textiles, construction materials; partners: Western Europe 79.2%, (EU countries 72.3%, other 6.9%), US 6.4%

NATIONAL MSTQ COORDINATION

1.1 None identified

METROLOGY AND CALIBRATION SERVICES

Primary laboratory and national coordinator

2.1 Other Fédéral de Métrologie
Lindenweg 50
CH-3084 Waben

Tel. (41-31) 323-3111; Fax (41-31) 323-3210
Internet: postmaster@eam.ejpd.inet.ch

This is a government body
Annual budget: $18 million; portion of revenue from fees for services 30%; government subvention 70%
Member BIPM since 1875

Accreditor

2.2 Swiss Accreditation Service
Address same as 2.1

Tel. (41-31) 323-3511; Fax (41-31) 323-3510
Internet: sasmaster@eam.djpd.inet.ch

This is a government body
Number of accredited secondary calibration labs - No response

Legal metrology administrator

2.3 Same as 2.1

This is a government body
Member OIML since 1955

STANDARDS DEVELOPMENT AND ADOPTION

Primary standards body

3.1 Swiss Association for Standardization
Mühlebachstrasse 54
CH-8008 Zurich

Tel. (41-1) 254-5454; Fax (41-1) 254-5474

This is a private sector organization
Participate in: ISO, IEC, ITU, FAO/Codex
Founded 1919; staff 35
Annual budget: $10 million; portion of revenue from sales of publications and services 45%; private sector subscription 16%; government subvention 21%
Number of standards published or approved by primary standards body 5700; voluntary 100%
Total number of publicly available standards - No response

TESTING AND PRODUCT CERTIFICATION

National coordinator of laboratory accreditation

4.1 Same as 2.2

This is a government body
Participate in: ILAC, IAF; Regional: EAL

Government accreditor of testing laboratories

4.2 Same as 2.2

Number of government accredited testing laboratories 145

Private-sector accreditor of testing laboratories - None

Number of accredited product certifiers: private sector 12

Government accreditor of product certifiers

4.3 Same as 2.2

Private - sector accreditor of product certifiers - None

QUALITY MANAGEMENT REGISTRATION

Coordinator national quality awareness and implementation

5.1 Swiss Association for the Promotion of Quality
Hauptgasse 33
CH-4603 Oeten

Tel. (41-62) 205-4545; Fax (41-62) 205-4555

Number of facilities registered to ISO 9001 or ISO 9002 or national equivalents 21 274
Number of registrars geographically located in Switzerland 7. Number of registrars accredited by the national accreditor 7

National accreditor of quality management system registrars

5.2 Same as 2.2

This is a government body

Foreign quality system registrars are not required to be registered/listed by the national accreditor
Participate in: ISO/TC 176; Regional: EAC

Certifier of quality assessors

5.3.1
Schweizerische Arbeitsgemeinschaft für Qualitätsförderung SAQ, Geschäftsstelle
Hauptgasse 33
4603 Olten

Tel. (062) 205-4545; Fax (062) 205-4555

5.3.2
Qualicon Personalzertifizierung AG
Industrie Neuhof 21
3422 Kirchberg

Tel. (034) 448-3333; Fax (034) 448-3331

These are a private sector organizations

RELATED INFORMATION

Certification of MSTQ related services are listed here:

	Voluntary	Mandatory	
A	☒	☐	Third-party technical inspection organizations
B	☒	☐	Welders
C	☒	☐	Non-destructive testing technicians
D	☒	☐	Quality Assessor certification bodies
E	☐	☐	Quality Assessor training providers
F	☐	☐	Quality training providers
G	☐	☐	Quality consultants
H	☐	☐	Other

Responsible certifying organizations are
6.1 A through D:
Same as 2.2

Environmental management systems
National standards exist. Number of facilities at which these standards are implemented 15
Number of EMS registrars geographically located in Switzerland 4
Number of EMS registrars accredited by the national accreditor 4

National accreditor of environmental management system registrars

6.2 Same as 2.2

WTO Enquiry Point

6.3.1

For regulations:
Bundesant Für Aussenwirtschaft
Effinger Str. 1
CH-3003 Bern

Tel. (41-31) 324-0758; Fax (41-31) 324-0958

6.3.2

For standards:
Same as 3.1

A list of all publicly available standards is available

Taiwan

BASIC DATA

Land area: 32 260 sq km; comparative area: slightly larger than Maryland and Delaware combined
Population: 21 500 583; growth rate 0.93%; labor force: 7.9 million; literacy 86%, age 15 and over
GDP: $257 billion; real growth rate: 6%; national product per capita: $12 070
Exports: $93 billion; electrical machinery 19.7%, electronic products 19.6%, textiles 10.9%, footwear 3.3%, foodstuffs 1.0%, plywood and wood products 0.9%; partners: US 27.6%, Hong Kong 21.7%, EC countries 15.2%, Japan 10.5%
Imports: $85.1 billion; machinery and equipment 15.7%, electronic products 15.6%, chemicals 9.8%, iron and steel 8.5%, crude oil 3.9%, foodstuffs 2.1%; partners: Japan 30.1%, US 21.7%, EC countries 17.6%

NATIONAL MSTQ COORDINATION

1.1 None identified

METROLOGY AND CALIBRATION SERVICES

Primary laboratory and national coordinator

2.1 Center for Measurement Standards
Industrial Technology Research Institute
321 Kuang Fu Road, Section 2
Hsinchu 30042

Tel. (886-35) 721321; Fax (886-35) 716231

This is a government body
Participate in: APMP

Accreditor

2.2 Same as 2.1

This is a government body

Legal metrology administrator

2.3 Same as 2.1

This is a government body
Member: APLMF

STANDARDS DEVELOPMENT AND ADOPTION

Primary standards body

3.1 National Bureau of Standards
Ministry of Economic Affairs
3F, 185 Hsinhai Road, Sec. 2
Taipei

Tel. (886-2) 738-0007; Fax (886-2) 735-2656

This is a government body
Founded 1947; staff 700; total number of committee members 1610
Annual budget: $59 million; government subvention 100%
Number of standards published or approved by primary standards body 13 000; voluntary 100%
Number of other standards bodies - None
Total number of publicly available standards 13 000

TESTING AND PRODUCT CERTIFICATION

National coordinator of laboratory accreditation

4.1 Chinese National Laboratory Accreditation Council
Address same as 3.1

Tel. (886-2) 737-5564; Fax (886-2) 735-5769

This is a government body
Participate in: ILAC; Regional: APLAC

Government accreditor of testing laboratories

4.2 Same as 4.1

Number of government accredited testing laboratories 100; foreign accredited - None

Private-sector accreditor of testing laboratories - None

QUALITY MANAGEMENT REGISTRATION

Coordinator national quality awareness and implementation

5.1 None identified

RELATED INFORMATION

Certification of MSTQ related services - No response

Environmental Management systems - No response

Information Center

6.1 Same as 3.1

Internet: twnbs@tptsl.seed.net.tw

A list of all mandatory standards is available in Chinese and English
A list of all publicly available standards is available in Chinese and English

Tanzania

BASIC DATA

Land area: 886 040 sq km; comparative area: slightly larger than twice the size of California
Population: 28 701 077; growth rate 2.55%; labor force: 732 200 million; literacy 59%, age 15 and over
GDP: $21 billion; real growth rate: 3%; national product per capita: $750
Exports: $462 billion; coffee, cotton, tobacco, tea, cashew nuts, sisal; partners: Germany, UK, Japan, Netherlands, Kenya, Hong Kong, US
Imports: $1.4 billion; manufactured goods, machinery and transportation equipment, cotton piece goods, crude oil, foodstuffs; partners: Germany, UK, US, Japan, Italy, Denmark

NATIONAL MSTQ COORDINATION

1.1 None identified

METROLOGY AND CALIBRATION SERVICES

Primary laboratory and national coordinator

2.1 Metrology Laboratory
Tanzania Bureau of Standards
P.O. Box 9524
Dar es Salaam

Tel. (255-51) 43298; Fax (255-51) 43298

This is a government body

Accreditor - None

Legal metrology administrator

2.2 Weights and Measures Bureau
Ministry of Industries and Trade
P.O. Box 313
Dar es Salaam

Tel. (255-51) 64046

This is a government body

STANDARDS DEVELOPMENT AND ADOPTION

Primary standards body

3.1 Tanzania Bureau of Standards
Address same as 2.1

Tel. (255-51) 43298; Fax (255-51) 43298

This is a government body
Participate in: ISO, FAO/Codex; Regional: ARSO
Founded 1975; staff 135
Annual budget: $900 000; portion of revenue from sales of publications and services 0.4%; testing and certification 6.7%; government subvention 60%
Number of standards published or approved by primary standards body 500; voluntary 75%, mandatory 25%

TESTING AND PRODUCT CERTIFICATION

National coordinator of laboratory accreditation

4.1 None

QUALITY MANAGEMENT REGISTRATION

Coordinator national quality awareness and implementation

5.1 Planning is underway

National accreditor of quality management system registrars

5.2 Planning is underway

Certifier of quality assessors - None

RELATED INFORMATION

Certification of MSTQ related services - No response

Environmental management systems
National standards do not exist

National accreditor of environmental management system registrars

6.1 Planning is underway

WTO Enquiry Point

6.2 The Principal Secretary
Ministry of Industries and Trade
P.O. Box 9503
Dar Es Salaam

Tel. (255-051) 117222; Fax (255-051) 46919

A list of all publicly available standards is available in English

Thailand

BASIC DATA

Land area: 511 770 sq km; comparative area: slightly less than twice the size of Wyoming
Population: 60 271 300; growth rate 1.24%; labor force: 30.87 million; literacy 93%, age 15 and over
GDP: $355.2 billion; real growth rate: 8%; national product per capita: $5970
Exports: $46 billion; machinery and manufacturers 83%, agricultural products and fisheries 16%, others 1%; partners: US 22%, Japan 17%, Singapore 12%, Hong Kong 5%, Germany 4%
Imports: $52.6 billion; capital goods 44%, intermediate good and raw materials 37%, consumer goods 16%, other 3%; partners: Japan 30%, US 12%, Singapore 6%, Germany 5%, Taiwan 5%

NATIONAL MSTQ COORDINATION

1.1 None identified

METROLOGY AND CALIBRATION SERVICES

Primary laboratory and national coordinator

2.1 Department of Science Service
Ministry of Science, Technology and Environment
Rama VI Street
Bangkok 10400

Tel. (66-2) 246-1387-95; Fax (66-2) 245-5523

This is a government body

Accreditor

2.2 Thai Industrial Standards Institute
Ministry of Industry
Rama VI Street
Bangkok 10400

Tel. (66-2) 202-3491; Fax (66-2) 246-4327
Internet: http:www.tisi.go.th

This is a government body
Number of accredited secondary calibration labs 3

Legal metrology administrator

2.3 Department of Commercial Registration
Ministry of Commerce
Maharaj Road
Bangkok 10200

Tel. (66-2) 224-0031; Fax (66-2) 225-8493

This is a government body
Member: APLMF

STANDARDS DEVELOPMENT AND ADOPTION

Primary standards body

3.1 Thai Industrial Standards Institute
Same as 2.2

Tel. (66-2) 246-1991; Fax (66-2) 247-8741

This is a government body
Participate in: ISO, IEC, ITU, FAO/Codex; Regional: PASC, ACCSQ, APEC
Founded 1968; staff 459
Annual budget: $15.25 million; government subvention 100%
Number of standards published or approved by primary standards body 1500; voluntary 97%, mandatory 3%

TESTING AND PRODUCT CERTIFICATION

National coordinator of laboratory accreditation

4.1 Thai Laboratory Accreditation Scheme
Same as 3.1

This is a government body
Participate in: ILAC; Regional: APLAC

Government accreditor of testing laboratories

4.2 Same as 4.1

Number of government accredited testing laboratories 5; foreign accredited 0

Private-sector accreditor of testing laboratories

4.3 None identified

Number of private-sector accredited testing laboratories 2

Government accreditor of product certifiers - No response

Private - sector accreditor of product certifiers - No response

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QUALITY MANAGEMENT REGISTRATION

Coordinator national quality awareness and implementation

5.1 Same as 2.2

Number of facilities registered to ISO 9001 or ISO 9002 or national equivalents 79
Number of registrars geographically located in Thailand - Unknown. Number of registrars accredited by the national accreditor - None

National accreditor of quality management system registrars

5.2 National Accreditation Council
Currently being established

This is a government body

Certifier of quality assessors

5.3 Same as 5.2

RELATED INFORMATION

Certification of MSTQ related services are listed here:

	Voluntary	Mandatory	
A	☒	☒	Third-party technical inspection organizations
B	☐	☐	Welders
C	☐	☐	Non-destructive testing technicians
D	☒	☐	Quality Assessor certification bodies
E	☒	☐	Quality Assessor training providers
F	☒	☐	Quality training providers
G	☐	☐	Quality consultants
H	☐	☐	Other

Responsible certifying organizations are
6.1 A: None identified

6.2: D, E and F: Same as 5.2

Environmental management systems
National standards do not exist

WTO Enquiry Point

6.2 Same as 3.1

A list of all mandatory standards is available in English
A list of all publicly available standards is not available in English

Trinidad and Tobago

BASIC DATA

Land area: 5130 sq km; comparative area: slightly smaller than Delaware
Population: 1 271 159; growth rate 0.12%; labor force: 463 900; literacy 97%, age 15 and over
GDP: $15 billion; real growth rate: 3%; national product per capita: $11 280
Exports: $1.9 billion; petroleum and petroleum products, chemicals, steel products, fertilizer, sugar, cocoa, coffee, citrus, flowers; partners: US 44%, CARICOM 15%, Latin America 9%, EC 5%
Imports: $996 billion; machinery, transportation equipment, manufactured goods, food, live animals; partners: US 43%, Venezuela 10%, UK 8%, other EC 8%

NATIONAL MSTQ COORDINATION

1.1 Trinidad and Tobago Bureau of Standards
#2 Century Drive
Trincity Industrial Estate
P.O. Box 467
Port of Spain

Tel. (1-809) 662-8827; Fax (1-809) 663-4335
Internet: ttbs@opus-networx.com

This is a parastatal organization

METROLOGY AND CALIBRATION SERVICES

Primary laboratory and national coordinator

2.1 Same as 1.1

This is a parastatal organization
Annual budget: Portion of revenue from fees for services 45%; government subvention 55%
Participate in: CARIMET, SIM

Accreditor

2.2 National Laboratory Accreditation System
Currently being established

Tel. (1-809) 662-4481; Fax (1-809) 663-4335
Internet: ttbs@opus-networx.com

This is a government body
Number of accredited secondary calibration labs - None

Legal metrology administrator

2.3 Ministry of Consumer Affairs
No address provided

Tel. (1-809) 623-8841

This is a government body
Member of OIML

STANDARDS DEVELOPMENT AND ADOPTION

Primary standards body

3.1 Same as 1.1

This is a government body
Participate in: ISO, ITU, FAO/Codex; Regional: COPANT
Founded 1974; staff 100
Annual budget: $1.6 million; portion of revenue from sales of publications and services 1%; testing and certification 30%; government subvention 75%
Number of standards published or approved by primary standards body 400; voluntary 93%, mandatory 7%
Number of other standards bodies - None
Total number of publicly available standards 400
Identical to, technically equivalent, or based on international standards 90%

TESTING AND PRODUCT CERTIFICATION

National coordinator of laboratory accreditation

4.1 Same as 2.2

Participate in: ILAC

Government accreditor of testing laboratories

4.2 Same as 2.2

Private-sector accreditor of testing laboratories - None

Number of accredited product certifiers: government agencies and institutions 1

Government accreditor of product certifiers

4.3 Same as 1.1

Countries with product certification MOUs or MRAs - None

Private - sector accreditor of product certifiers - None

QUALITY MANAGEMENT REGISTRATION

Coordinator national quality awareness and implementation

5.1 Same as 1.1

Number of facilities registered to ISO 9001 or ISO 9002 or national equivalents 17
Number of registrars geographically located in Trinidad and Tobago - None. Number of registrars accredited by the national accreditor - None

National accreditor of quality management system registrars

5.2 Same as 1.1

This is a government body
Countries with quality registration MOUs or MRAs - Planning is underway
Foreign quality system registrars are not required to be registered/listed by the national accreditor
Participate in: ISO/TC 176

Certifier of quality assessors

5.3 Use foreign certifiers

RELATED INFORMATION

Certification of MSTQ related services - No response

WTO Enquiry Point

6.1 Same as 1.1

Tel. (1-809) 662-8827; Fax (1-809) 633-4335
Internet: ttbs@opus-networx.com

A list of all mandatory standards is available in English
A list of all publicly available standards is available in English

Tunisia

BASIC DATA

Land area: 163 610 sq km; comparative area: slightly larger than Georgia
Population: 8 879 845; growth rate 1.69%; labor force: 2.25 million; literacy 57%, age 15 and over
GDP: $37.1 billion; real growth rate: 4.4%; national product per capita: $4250
Exports: $4.6 billion; hydrocarbons, agricultural products, phosphates and chemicals; partners: EU countries 75%, Middle East 10%, Algeria 2%, India 2%, US 1%
Imports: $6.5 billion; industrial goods and equipment 57%, hydrocarbons 13%, food 12%, consumer goods; partners: EU countries 70%, US 5%, Middle East 2%, Japan 2%, Switzerland 1%, Algeria 1%

NATIONAL MSTQ COORDINATION

1.1 None identified

METROLOGY AND CALIBRATION SERVICES

Primary laboratory and national coordinator

2.1 Institut National de la Normalisation et de la Propriété Industrielle
(National Standardization and Industrial Property Institute)
B.P. 23
1012 Tunis-Belvédère

Tel. (216-1) 785922; Fax (216-1) 781563

This is a government body

Accreditor

2.2 No response

Legal metrology administrator

2.3 Same as 2.1

STANDARDS DEVELOPMENT AND ADOPTION

Primary standards body

3.1 Same as 2.1

Participate in: ISO, ITU, FAO/Codex
Founded 1982; staff 103
Annual budget: $2.5 million; portion of revenue from sales of publications and services 0.4%; testing and certification 17.2%; private sector subscription 2.9%; government subvention 43.8%
Number of standards published or approved by primary standards body 4000; voluntary 86%, mandatory 14%
Number of other standards bodies - No response

TESTING AND PRODUCT CERTIFICATION

4.1 No response

QUALITY MANAGEMENT REGISTRATION

5.1 No response

RELATED INFORMATION

Certification of MSTQ related services - No response

Environmental Management systems - No response

WTO Enquiry Point

6.1 Same as 2.1

Turkey

BASIC DATA

Land area: 770 760 sq km; comparative area: slightly larger than Texas
Population: 63 405 526; growth rate 1.97%; labor force: 20.4 million; literacy 79%, age 15 and over
GDP: $305.2 billion; real growth rate: -5%; national product per capita: $4910
Exports: $15.3 billion; manufactured products 72%, foodstuffs 23%, mining products 4%; partners: German 24%, Russia 7%, US 7%, UK 6%
Imports: $27.6 billion; manufactured products 71%, fuels 14%, foodstuffs 6%; partners: Germany 15%, US 11%, Italy 9%, Russia 8%

NATIONAL MSTQ COORDINATION

1.1 National Council for Quality and Accreditation
Nacatibey Cad. No.112
06100 Bakanliklar
Ankara

Tel. (90-312) 417-8330; Fax (90-312) 425-4399

This is a council with balanced representation

METROLOGY AND CALIBRATION SERVICES

Primary laboratory and national coordinator

2.1 National Metrology Institute
Ulusal Metroloji Enstitüsü
Tübitak Marmara Arastirma Merkezi
PK 21 41470 Gebze-Kocaeli

Tel. (90-262) 646-6355; Fax (90-262) 646-5914

This is a government body

Accreditor

2.2 Same as 1.1

Number of accredited secondary calibration labs 13

Legal metrology administrator

2.3 Ministry and Trade
General Directorate for Metrology and Standards
06100 Tandogan

Tel. (90-312) 229-4836; Fax (90-312) 231-1694

This is a government body
Member OIML since 1931

STANDARDS DEVELOPMENT AND ADOPTION

Primary standards body

3.1 Same as 1.1

This is a government body
Participate in: ISO, IEC, ITU, FAO/Codex, ILAC, WPO; Regional: CEN, CENELEC, EOQ
Founded 1954; staff 1216
Annual budget: $41.25 million; portion of revenue from sales of publications and services 2%; testing and certification 80%; private sector subscription 13%; government subvention 0.25%
Number of standards published or approved by primary standards body 12 600; voluntary 92%, mandatory 8%
Number of other standards bodies - None
Total number of publicly available standards 12 600
Identical to, technically equivalent, or based on international standards 85%

TESTING AND PRODUCT CERTIFICATION

National coordinator of laboratory accreditation

4.1 Same as 1.1

This is a council with balanced representation

Government accreditor of testing laboratories

4.2 Same as 1.1

Number of government accredited testing laboratories 30; foreign accredited 3
Number of EU recognized Notified Bodies 1

Private-sector accreditor of testing laboratories - None

Number of accredited product certifiers: government agencies and institutions 1; private sector - None

Government accreditor of product certifiers

4.3 Same as 1.1

Countries with product certification MOUs or MRAs - None

Private - sector accreditor of product certifiers - None

QUALITY MANAGEMENT REGISTRATION

Coordinator national quality awareness and implementation

5.1 Same as 1.1

Number of facilities registered to ISO 9001 or ISO 9002 or national equivalents - 349
Number of registrars geographically located in Turkey 1. Number of registrars accredited by the national accreditor 1

National accreditor of quality management system registrars

5.2 Same as 1.1

Countries with quality registration MOUs or MRAs - None
Foreign quality system registrars are required to be registered/listed by the national accreditor
Participate in: ISO/TC 176

Certifier of quality assessors

5.3 Same as 1.1

RELATED INFORMATION

Certification of MSTQ related services are listed here:

	Voluntary	Mandatory	
A	☒	☐	Third-party technical inspection organizations
B	☒	☐	Welders
C	☒	☐	Non-destructive testing technicians
D	☐	☐	Quality Assessor certification bodies
E	☒	☐	Quality Assessor training providers
F	☐	☐	Quality training providers
G	☐	☐	Quality consultants
H	☐	☐	Other

Responsible certifying organizations are
6.1 A: Same as 3.1

6.2 B: Middle East Technical University (METU) Ankora

6.3 C: National NDT Council

6.4 C: Same as 1.1

Environmental management systems
National standards exist. Number of facilities at which these standards are implemented 4
Number of EMS registrars geographically located in Turkey 1
Number of EMS registrars accredited by the national accreditor 1

National accreditor of environmental management system registrars

6.5 Same as 1.1

Participate in: ISO/TC 207

WTO Enquiry Point

6.6 For regulations:
Prime Ministry
Undersecretariat for Foreign Trade
General directorate for Standardization for Foreign Trade
06510 Emek-Ankara

Tel. (90-312) 212-5896; Fax (90-312) 212-8768

A list of all mandatory standards is available in Turkish
A list of all publicly available standards is available in Turkish

Ukraine

BASIC DATA

Land area: 603 700 sq km; comparative area: slightly smaller than Texas
Population: 51 867 828; growth rate 0.04%; labor force: 23.55 million; literacy 98%, age 15 and over
GDP: $189.2 billion; real growth rate: -19%; national product per capita: $3650
Exports: $11.8 billion; coal, electric power, ferrous and nonferrous metals, chemicals, machinery and transport equipment, grain, meat; partners: FSU countries, China, Italy, Switzerland
Imports: $14.2 billion; energy, machinery and parts, transportation equipment, chemicals, textiles; partners: FSU countries, Germany, Poland Czech Republic

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NATIONAL MSTQ COORDINATION

1.1 State Committee of Ukraine for Standardization, Metrology and Certification (DSTU)
174, Gorkiy Street, 252650
GSP, Kyiv - 6

Tel. (380-44) 226-2971; Fax (380-44) 226-2970

This is a government body

METROLOGY AND CALIBRATION SERVICES

Primary laboratory and national coordinator

2.1 Same as 1.1

Annual budget: $4.1 million; government subvention 100%

Accreditor - None

Legal metrology administrator

2.2 Department of Metrology of DSTU
Address same as 1.1

STANDARDS DEVELOPMENT AND ADOPTION

Primary standards body

3.1 Same as 1.1

Tel. (380-44) 228-7307; Fax (380-44) 226-2979

This is a government body
Participate in: ISO, IEC
Founded 1991; staff 120; total number of committee members 142
Annual budget: $1.3 million; portion of revenue from sales of publications 2%; testing and certification 3%; government subvention 95%
Number of standards published or approved by primary standards body 1553
Total number of publicly available standards 21 553
Identical to, technically equivalent, or based on international standards 60%

TESTING AND PRODUCT CERTIFICATION

National coordinator of laboratory accreditation

4.1 Same as 1.1

Government accreditor of testing laboratories

4.2 Same as 1.1

Number of accredited product certifiers: government agencies and institutions 525

Private-sector accreditor of testing laboratories

4.3 Planning is underway

Government accreditor of product certifiers

4.4 Same as 1.1

Private - sector accreditor of product certifiers

4.5 Planning is underway

QUALITY MANAGEMENT REGISTRATION

Coordinator national quality awareness and implementation

5.1 Same as 1.1

Tel. (38-044) 226-2971; Fax (38-044) 226-2970

Number of facilities registered to ISO 9001 or ISO 9002 or national equivalents 5
Number of registrars geographically located in the Ukraine 4. Number of registrars accredited by the national accreditor 4

National accreditor of quality management system registrars

5.2 Same as 1.1

Foreign quality system registrars are not required to be registered/listed by the national accreditor
Participate in: ISO/TC 176; Regional EASC

Certifier of quality assessors

5.3 Same as 1.1

RELATED INFORMATION

Certification of MSTQ related services are listed here:

	Voluntary	Mandatory	
A	☐	☒	Third-party technical inspection organizations
B	☐	☐	Welders
C	☐	☐	Non-destructive testing technicians
D	☒	☒	Quality Assessor certification bodies
E	☐	☒	Quality Assessor training providers
F	☒	☒	Quality training providers
G	☒	☐	Quality consultants
H	☐	☐	Other

Responsible certifying organizations are
6.1 A, D, E, F and G: DSTU

Environmental management systems
National standards do not exist.

National accreditor of environmental management system registrars - None

Participate in: ISO/TC 207; Regional

Information Center

6.2 Currently being established

A list of all mandatory standards is available in Ukrainian and Russian
A list of all publicly available standards is available in Ukrainian and Russian

United Kingdom

BASIC DATA

Land area: 241 590 sq km; comparative area: slightly smaller than Oregon
Population: 58 295 119; growth rate 0.27%; labor force: 28.048 million; literacy 99%, age 15 and over
GDP: $1.0452 trillion; real growth rate: 4.2%; national product per capita: $17 980
Exports: $200 billion; manufactured goods, machinery fuels, chemicals, semifinished goods, transport equipment; partners: EU countries 56.7% (Germany 14.0%, France 11.1%, Netherlands 7.9%), US 10.9%
Imports: $215 billion; manufactured goods, machinery, semifinished goods, foodstuffs, consumer goods; partners: EU countries 51.7% (Germany 14.9%, France 9.3%, Netherlands 8.4%), US 11.6%

NATIONAL MSTQ COORDINATION

1.1 Department of Trade and Industry
Standards and Technical Regulations Directorate
151, Buckingham Palace Road
London SWIW 955

Tel. (44-171) 215-5000; Fax (44-171) 215-2909

This is a government body

METROLOGY AND CALIBRATION SERVICES

Primary laboratory and national coordinator

2.1 National Physical Laboratory
Queens Road
Teddington, Middlesex TW11 OLW

Tel. (44-181) 943-6880; Fax (44-181) 943-6458
Internet: http://www.npl.co.uk

This is a government owned, contractor operated organization
Annual budget: $60 million; portion of revenue from fees for services 25%; government subvention 75%
Member BIPM since 1884
Participate in: EUROMET

Accreditor

2.2 United Kingdom Accreditation Service
Queens Road
Teddington, Middlesex TW11 ONA

Tel. (44-181) 943-6311; Fax (44-181) 943-7134

This is a private sector organization
Number of accredited secondary calibration labs 570

Legal metrology administrator

2.3 National Weights and Measures Laboratory
Stanton Avenue
Teddintgon, Middlesex TW11 OJZ

Tel. (44-181) 943-7272; Fax (44-181) 943-7270
Internet: http://www.dti.gov.uk/nwml

This is a government body
Member OIML since 1963

STANDARDS DEVELOPMENT AND ADOPTION

Primary standards body

3.1 British Standards Institution
389 Chiswick High Road
London W4 4AL

Tel. (44-181) 996-9000; Fax (44-181) 996-7400

This is an independent, non-profit institution, incorporated by Royal Charter and officially recognized by government

Participate in: ISO, IEC, ITU, FAO/Codex; Regional: CEN, CENELEC, ETSI
Founded 1901; total number of committee members 25 000
Annual budget: $225 million; portion of revenue from sales of publications and services 25%; testing and certification 12%; quality assurance 50%; private sector subscription 6%; government subvention 7%
Number of standards published or approved by primary standards body 13 700; voluntary 100%

Total number of publicly available standards - No response. Identical to, technically equivalent, or based on international standards 62%

TESTING AND PRODUCT CERTIFICATION

National coordinator of laboratory accreditation

4.1 Same as 2.2

Tel. (44-181) 943-7140; Fax (44-181) 943-7134

This is a private sector organization
Participate in: ILAC; Regional: EAL

Government accreditor of testing laboratories - None
Number of EU recognized Notified Bodies - No response

Private-sector accreditor of testing laboratories

4.2 Same as 2.2

Number of accredited testing labs - No response

Government accreditor of product certifiers - None

Private - sector accreditor of product certifiers

4.3 National Accreditation of Certification Bodies
Audley House, 13 Palace Street
London SWIE 5HS

Tel. (44-171) 233-7111; Fax (44-171) 233-5115

QUALITY MANAGEMENT REGISTRATION

Coordinator national quality awareness and implementation

5.1 The Institute of Quality Assurance
10 Grosvenor Gardens
London SW1 ODQ

Tel. (44-171) 730-7154; Fax (44-171) 824-8030

Number of facilities registered to ISO 9001 or ISO 9002 or national equivalents 50 000
Number of registrars geographically located in the United Kingdom - Unknown. Number of registrars accredited by the national accreditor 55

National accreditor of quality management system registrars

5.2 Same as 4.5

Certifier of quality assessors:

5.3 International Register of Certified Auditors
Address same as 5.1

RELATED INFORMATION

Certification of MSTQ related services are listed here:

	Voluntary	Mandatory	
A	☒	☐	Third-party technical inspection organizations
B	☒	☐	Welders
C	☒	☐	Non-destructive testing technicians
D	☒	☐	Quality Assessor certification bodies
E	☒	☐	Quality Assessor training providers

Responsible certifying organizations are
6.1 A, D and E: Same as 2.2

6.2 B:
Personnel Certification in Non-Destructive Testing (PCN)
1 Spencer Parade
Northampton NN1 5AA

Tel. (44-160) 430124; Fax (44-160) 423-1489

6.3 C: Same as 6.2

Environmental management system
National standards exist. Number of facilities at which these standards are implemented 350
Number of EMS registrars geographically located in the United Kingdom 15
Number of EMS registrars accredited by the national accreditor 17 (15 in the UK, 2 overseas)

National accreditor of environmental management system registrars

6.4 Same as 4.5

This is a private sector organization
Participate in: ISO/TC 207; Regional EAC, IAF

WTO Enquiry Point

6.5 For certification systems and government standards:
WTO-TBT Enquiry Point
International Trade Policy Division
Department of Trade and Industry
Bay 360
Kingsgate House
66-74 Victoria Street
London SW1E 6SW

Tel. (44-171) 215-4511; Fax (44-171) 215-4512

6.6 For nongovernmental standards:
BSI Information Centre
Address same as 3.1

Tel. (44-181) 996-7111; Fax (44-181) 996-7048

United States

BASIC DATA

Land area: 9 166 600 sq km; comparative area: about two and one-half times the size of Western Europe
Population: 263 814 032; growth rate 1.02%; labor force: 131.056 million; literacy 97%, age 15 and over
GDP: $6.7384 trillion; real growth rate: 4.1%; national product per capita: $25 850
Exports: $513 billion; capital goods, automobiles, industrial supplies and raw materials, consumer goods, agricultural products; partners: Western Europe 24.3%, Canada 22.1%, Japan 10.5%
Imports: $664 billion; crude oil and refined petroleum products, machinery, automobiles, consumer goods, industrial raw materials, food and beverages; partners: Canada 19.3%, Western Europe 18.1%, Japan 18.1%

NATIONAL MSTQ COORDINATION

1.1 Does not exist

METROLOGY AND CALIBRATION SERVICES

Primary laboratory and national coordinator

2.1 National Institute of Standards and Technology
Calibration Program
Building 820, Room 236
Gaithersburg, Maryland 20899-0001

Tel. (1-301) 975-2002; Fax (1-301) 869-3548
Internet: calibrations@enh.nist.gov

This is a government body
Annual budget: $7.7 million; portion of revenue from fees for services 99%; government subvention 1%
Member BIPM since 1875
Participate in: NORAMET, SIM

Accreditors

2.2 National Voluntary Laboratory Accreditation Program
Office of Standards Services
National Institute of Standards and Technology
Building 820, Room 282
Gaithersburg, Maryland 20899-0001

Tel. (1-301) 975-4016; Fax (1-301) 926-2884
Internet: NVLAP@nist.gov

This is a government body
Number of accredited secondary calibration labs 11

2.3 American Association for Laboratory Accreditation
656 Quince Orchard Road
Gaithersburg, Maryland 20878

Tel. (1-301) 670-1377; Fax (1-301) 869-1495
Internet: a2la@aol.com

This is a private sector organization
Number of accredited secondary calibration labs 15

Legal metrology - International

2.4 Office of Standards Services/Technical Standards Activities Program
National Institute of Standards and Technology
Building 820, Room 161
Gaithersburg, Maryland 20899-0001

Tel. (1-301) 975-2024; Fax (1-301) 963-1559
Internet: Schappell@nist.gov

This is a government body
Member OIML since 1972; Regional: APLMF

Legal metrology - National

2.5 Office of Weights and Measures
National Institute of Standards and Technology
Building 820, Room 223
Gaithersburg, Maryland 20899-0001

Tel. (1-301) 975-4004; Fax (1-301) 926-0647
Internet: owm@nist.gov
http://www.nist.gov/owm

STANDARDS DEVELOPMENT AND ADOPTION

Primary standards body

3.1 American National Standards Institute
11 West 42nd Street
13th floor
New York, NewYork 10036

Tel. (1-212) 642-4900; Fax (1-212) 398-0023
Internet: info@ansi.org
Website: http://www.ansi.org

This is a private sector organization

Participate in: ISO, IEC, ITU, FAO/Codex; Regional: PASC, COPANT, NAFTA, APEC/SCSC
Founded 1918; staff 106
Annual budget: $30 million; portion of revenue from sales of publications and services 34%; accreditation 4%; private sector subscription 43%
Number of standards published or approved by primary standards body 11 500; voluntary 100%
Number of other standards bodies: national government 80; private sector 620
Total number of publicly available standards 93 000. NIST SP 806, 1996 Edition, presents information on the estimated 620 private sector and 80 Federal Government standards developers.
More than 50% of ISO and IEC standards have been adopted or are implemented directly.

TESTING AND PRODUCT CERTIFICATION

National coordinator of laboratory accreditation

4.1 Planning is underway

Participate in: ILAC

Government accreditors of testing laboratories

4.2 31 federal government laboratory accreditation programs are described in NIST SP 808 and 31 state government programs are described in NIST SP 815

Private-sector accreditors of testing laboratories

4.3 48 private sector laboratory accreditation programs are described in NIST SP 831

Government accreditors of product certifiers

4.4 13 Federal Government programs which accredit product certifiers are described in NIST SP 739

Private - sector accreditors of product certifiers

4.5 Approximately 20 organizations have been identified which conduct some type of accreditation/designation program. NIST SP 903 presents information on 178 private sector product certification activities.

QUALITY MANAGEMENT REGISTRATION

Coordinator national quality awareness and implementation

5.1 American Society for Quality Control
611 E. Wisconsin Avenue
P.O. Box 3005
Milwaukee, Wisconsin 53201-3005

Tel. (1-414) 272-8575; Fax (1-414) 272-1734

Number of facilities registered to ISO 9001 or ISO 9002 or national equivalents 10 750
Number of registrars geographically located in the United States 78. Number of registrars accredited by the national accreditor 39

National accreditor of quality management system registrars

5.2 ANSI/RAB U.S. National Accreditation Program

5.2.1
See 3.1

5.2.2
Registrar Accreditation Board
P.O. Box 3005
Milwaukee, Wisconsin 53201

Tel. (1-414) 272-8575; Fax (1-414) 765-8661
Internet: jjacobsen@asqc.org

This is a private sector organization
Countries with quality registration MOUs - Netherlands, Japan and Canada
Foreign quality system registrars are not required to be registered/listed by the national accreditor

Foreign quality system registrars are not required to be registered/listed by the national accreditor
Participate in: ISO/TC 176 and IAF

Certifier of quality assessors

5.3 Same as 5.2.2

RELATED INFORMATION

Certification of MSTQ related services are listed here:

	Voluntary	Mandatory	
A	☐	☐	Third-party technical inspection organizations
B	☐	☐	Welders
C	☐	☐	Non-destructive testing technicians
D	☒	☐	Quality Assessor certification bodies
E	☒	☐	Quality Assessor training providers
F	☐	☐	Quality training providers
G	☐	☐	Quality consultants
H	☐	☐	Other

Responsible certifying organizations are
6.1 D: Certification
Same as 5.2.2

6.2 E: Accreditation
Same as 5.2.2

Environmental management systems
National standards exist.
Number of EMS registrars geographically located in the United States - Unknown
Number of EMS registrars accredited by the national accreditor: 5 in process

National accreditor of environmental management system registrars

6.3 Same as 5.2

This is a private sector body
Participate in: ISO/TC 207

WTO Enquiry Point

6.4 National Center for Standards and Certification Information
Office of Standards Services
National Institute of Standards and Technology
Building 820, Room 164
Gaithersburg, Maryland 20899

Tel. (1-301) 975-4040; Fax (1-301) 926-1559
Internet: joverman@nist.gov

Mandatory standards are contained within the U.S. Code of Federal Regulations under the appropriate Federal regulatory agency and/or subject/product category in the Index
Bibliographic indexes containing most U.S. publicly available standards are available commercially from Global Engineering Documents (hard copy), Information Handling Services (CD-ROM), and ILI Infodisk Inc. (CD-ROM). Most U.S. standards developing organizations can provide listings of their respective standards.

Uruguay

BASIC DATA

Land area: 173 620 sq km; comparative area: slightly smaller than Washington State
Population: 3 222 716; growth rate 0.74%; labor force: 1.355 million; literacy 96%, age 15 and over
GDP: $23 billion; real growth rate: 4%; national product per capita: $7200
Exports: $1.78 billion; wool and textile manufactures, beef and other animal products, leather, rice; partners: Brazil, Argentina, US, China, Italy
Imports: $2.461 billion; machinery and equipment, vehicles, chemicals, minerals, plastics; partners: Brazil, Argentina, US, Nigeria

NATIONAL MSTQ COORDINATION

1.1 Does not exist

METROLOGY AND CALIBRATION SERVICES

Primary laboratory and national coordinator

2.1 Sector de Metrología
Laboratorio Tecnológico del Uruguay
Av. Italia, 6201
Montevideo

Tel. (598-2) 613724; Fax (598-2) 618554

This is a private sector organization
Participate in: SIM

Accreditor

2.2 Currently being established

Legal metrology administrator

2.3 Direccion Nacional de Metrologia Legal
Ministerio de Industria, Energia y Mineria
Buenos Aires 495
Montevideo

This is a government body

STANDARDS DEVELOPMENT AND ADOPTION

Primary standards body

3.1 Instituto Uruguayo de Normas Técnicas
San José 1031 P.7
Galeria Elysée
Montevideo

Tel. (598-2) 912048; Fax (598-2) 921681

This is a private sector organization

Participate in: ISO; Regional: COPANT, CMN
Founded 1939; staff 28; total number of committee members 300
Annual budget: $850 000; portion of revenue from sales of publications and services 4%; testing and certification 38%; private sector subscription 19%; government subvention 3%, training 35%
Number of standards published or approved by primary standards body 1200; voluntary 90%, mandatory 10%
Total number of publicly available standards 1200
Identical to, technically equivalent, or based on international standards 20%

TESTING AND PRODUCT CERTIFICATION

National coordinator of laboratory accreditation

4.1 Currently being established

Government accreditor of testing laboratories

4.2 Currently being established

Private-sector accreditor of testing laboratories - None

Government accreditor of product certifiers

4.3 Does not exist

Private - sector accreditor of product certifiers - None

QUALITY MANAGEMENT REGISTRATION

Coordinator national quality awareness and implementation

5.1 National Quality Committee

Tel. (598-2) 980866; Fax (598-2) 980874

Number of facilities registered to ISO 9001 or ISO 9002 or national equivalents 9
Number of registrars geographically located in Uruguay 2.

National accreditor of quality management system registrars

5.2 Currently being established

Certifier of quality assessors:

5.3 Currently being established

RELATED INFORMATION

Certification of MSTQ related services are listed here:

	Voluntary	Mandatory	
A	☐	☐	Third-party technical inspection organizations
B	☐	☐	Welders
C	☐	☐	Non-destructive testing technicians
D	☒	☐	Quality Assessor certification bodies
E	☒	☐	Quality Assessor training providers
F	☒	☐	Quality training providers
G	☐	☐	Quality consultants
H	☐	☐	Other

Responsible certifying organizations are
6.1 D, E and F: Same as 3.1

Environmental management system
National standards are being studied

WTO Enquiry Point

6.2 Planning is underway

A list of all publicly available standards is available in Spanish

Venezuela

BASIC DATA

Land area: 882 050 sq km; comparative area: slightly less than three-tenths the size of the US
Population: 21 004 773; growth rate 2.1%; labor force: 7.6 million; literacy 90%, age 15 and over
GDP: $178.3 billion; real growth rate: -3.3%; national product per capita: $8670
Exports: $15.2 billion; petroleum 72%, bauxite and aluminum, steel, chemicals, agricultural products, basic manufactures; partners: US and Puerto Rico 55%, Japan, Netherlands, Italy
Imports: $7.6 billion; raw materials, machinery and equipment, transport equipment, construction materials; partners: US 40%, Germany, Japan, Netherlands, Canada

NATIONAL MSTQ COORDINATION

1.1 Servicio Autonomo Direccion de Normalizacion y Certificacion de Calidad
Avda. André Bello-Edf.
Torre Fondo Común
Caracas 1050

Tel. (58-2) 527019; Fax (58-2) 527224

This is a government body

METROLOGY AND CALIBRATION SERVICES

Primary laboratory and national coordinator

2.1 Servicio Autónomo Nacional de Metrología
Av. Francisco Javier Ustariz
Ed. Parque Residencial Bernardino
Caracas

Tel. (58-2) 521176; Fax (58-2) 527224

This is a government body
Participate in: SIM

Accreditor

2.2 Same as 1.1

Legal metrology administrator

2.3 Same as 2.1

STANDARDS DEVELOPMENT AND ADOPTION

Primary standards bodies

3.1 Comisión Venezolana de Normas Industriales
Avda. Andrés Bello-Edf.
Torre Fondo Común
Piso 12
Caracas 1050

3.2 Fondo para la Normalización y Certificacion de la Calidad
Avda. Andrés Bello-Edf.
Torre Fondo Común
Piso 11
Caracas 1050

Tel. (58-2) 575-2298; Fax (58-2) 574-1312
Internet: covenin@dino.conicit.ve

This is a private sector organization
Participate in: ISO; Regional: COPANT
Founded 1973; staff 66; total number of committee members 5000
Annual budget: $925 000; portion of revenue from sales of publications and services 8%; testing and certification 68%; private sector subscription 3%; other activities 21%
Number of standards published or approved by primary standards body 3241; voluntary 92%, mandatory 8%
Total number of publicly available standards 3241
Identical to, technically equivalent, or based on international standards 5%

TESTING AND PRODUCT CERTIFICATION

National coordinator of laboratory accreditation

4.1 Same as 1.1

Tel. (58-2) 575-4111; Fax (58-2) 575-4498
Internet: covenin@dino.conicit.

Government accreditor of testing laboratories

4.2 Same as 4.1

Private-sector accreditor of testing laboratories - None

Government accreditor of product certifiers

4.3 Same as 4.1

Private - sector accreditor of product certifiers - None

QUALITY MANAGEMENT REGISTRATION

Coordinator national quality awareness and implementation

5.1 Same as 3.2

Number of facilities registered to ISO 9001 or ISO 9002 or national equivalents 92
Number of registrars geographically located in Venezuela - None. Number of registrars accredited by the national accreditor - None

National accreditor of quality management system registrars

5.2 Same as 4.1

Countries with quality registration MOUs or MRAs - Colombia
Foreign quality system registrars are required to be registered/listed by the national accreditor
Participate in: ISO/TC 176

Certifier of quality assessors

5.3 Same as 4.1

RELATED INFORMATION

Certification of MSTQ related services are listed here:

	Voluntary	Mandatory	
A	☐	☐	Third-party technical inspection organizations
B	☐	☐	Welders
C	☐	☐	Non-destructive testing technicians
D	☒	☐	Quality Assessor certification bodies
E	☒	☐	Quality Assessor training providers
F	☒	☐	Quality training providers
G	☐	☐	Quality consultants
H	☐	☐	Other

Responsible certifying organizations are
6.1 D, E and F: Same as 3.2

Environmental management systems
National standards do not exist.

WTO Enquiry Point

6.2 Currently being established

Zambia

BASIC DATA

Land area: 740 720 sq km; comparative area: slightly larger than Texas
Population: 9 445 723; growth rate 4%; labor force: 3.4 million; literacy 73%, age 15 and over
GDP: $7.9 billion; real growth rate: 7.9%; national product per capita: $860
Exports: $1.01 billion; copper, zinc, cobalt, lead, tobacco; partners: EU countries, Japan, South Africa, US, India
Imports: $1.13 billion; machinery, transportation equipment, foodstuffs, fuels, manufacturers; partners: EU countries, Japan, Saudi Arabia, South Africa, US

NATIONAL MSTQ COORDINATION

1.1 Zambia Bureau of Standards
P.O. Box 50259
Lusaka

Tel. (260-1) 291038
Internet: zabs@zamnet.zm

This is a government body

METROLOGY AND CALIBRATION SERVICES

Primary laboratory and national coordinator

2.1 Same as 1.1

Accreditor

2.2 Same as 1.1

Legal metrology administrator

2.3 Ministry of Commerce
Assize Department
Weights and Measures Office
P.O. Box 30 989
Lusaka

Tel. (260-1) 236062

This is a government body

STANDARDS DEVELOPMENT AND ADOPTION

Primary standards body

3.1 Same as 1.1

This is a government body
Participate in: FAO/Codex; Regional: ARSO
Founded 1982; staff 28; total number of committee members 30
Annual budget: $1 million; portion of revenue from sales of publications and services 2%; private sector subscription 1%; government subvention 97%
Number of standards published or approved by primary standards body 200; voluntary 100%
Number of other standards bodies: national government - None
Total number of publicly available standards 200

TESTING AND PRODUCT CERTIFICATION

National coordinator of laboratory accreditation

4.1 Same as 1.1

Government accreditor of testing laboratories

4.2 Same as 1.1

Number of government accredited testing laboratories 3

Private-sector accreditor of testing laboratories - None

Number of accredited product certifiers: government agencies and institutions 2

Government accreditor of product certifiers - None

Private - sector accreditor of product certifiers - None

QUALITY MANAGEMENT REGISTRATION

Coordinator national quality awareness and implementation

5.1 Same as 1.1

Number of facilities registered to ISO 9001 or ISO 9002 or national equivalents 3
Number of registrars geographically located in Zambia - None

National accreditor of quality management system registrars - None

Foreign quality system registrars are not required to be registered/listed by the national accreditor

Certifier of quality assessors - None

RELATED INFORMATION

Certification of MSTQ related services are listed here:

	Voluntary	Mandatory	
A	☒	☐	Third-party technical inspection organizations
B	☒	☐	Welders
C	☒	☐	Non-destructive testing technicians
D	☒	☐	Quality Assessor certification bodies
E	☒	☐	Quality Assessor training providers
F	☒	☐	Quality training providers
G	☒	☐	Quality consultants

Responsible certifying organizations are
6.1 A through G: Same as 1.1

Environmental management system
National standards do not exist.

National accreditor of environmental management system registrars - None

WTO Enquiry Point

6.2 Director of Trade
Ministry of Commerce, Trade and Industry
P.O. Box 31968
Lusaka

Tel. (260-1) 228301/9; Fax (260-1) 226673
Internet: zabs@zamnet.zm

A list of all mandatory standards is not available
A list of all publicly available standards is not available

Zimbabwe

BASIC DATA

Land area: 386 670 sq km; comparative area: slightly larger than Montana
Population: 11 139 961; growth rate 1.78%; labor force: 3.1 million; literacy 78%, age 15 and over
GDP: $17.4 billion; real growth rate: 3.5%; national product per capita: $1580
Exports: $1.8 billion; agricultural 35% (tobacco 30%, other 5%), manufactures 25%, gold 12%, ferrochrome 10%, textiles 8%; partners: UK 14%, Germany 11%, South Africa 10%, Japan 7%, US 5%
Imports: $1.8 billion; machinery and transportation equipment 41%, other manufactures 23%, chemicals 16%, fuels 12%; partners: South Africa 25%, UK 15%, Germany 9%, US 6%, Japan 5%

NATIONAL MSTQ COORDINATION

1.1 None identified

METROLOGY AND CALIBRATION SERVICES

Primary laboratory and national coordinator

2.1 No response

Legal metrology administrator

2.3 No response

STANDARDS DEVELOPMENT AND ADOPTION

Primary standards body

3.1 Standards Association of Zimbabwe
P.O. Box 2259
Harare

Tel. (263-4) 882017; Fax (263-4) 882020

This is a private sector organization
Participate in: ISO, ITU, FAO/Codex; Regional: ARSO
Founded 1957; staff 84

Annual budget: portion of revenue from sales of publications and services 1%; testing and certification 17%; government subvention 75%
Number of standards published or approved by primary standards body 400; voluntary 99.6%, mandatory 0.4%
Number of other standards bodies - None
Total number of publicly available standards 400

TESTING AND PRODUCT CERTIFICATION

National coordinator of laboratory accreditation

4.1 Same as 3.1

QUALITY MANAGEMENT REGISTRATION

Coordinator national quality awareness and implementation

5.1 Same as 3.1

National accreditor of quality management system registrars

5.2 No response

RELATED INFORMATION

Certification of MSTQ related services - No response

Environmental Management systems - No response

WTO Enquiry Point

6.2 Same as 3.1

A list of all publicly available standards is available in English

APPENDIX I
FORMAT OF ENTRIES

1. NATIONAL MSTQ COORDINATING BODY

1.1

Phone:_____ Fax:_____ Internet: _____ Website:_____
This is a ☐ government body, ☐ private sector organization, ☐ other: _____

2. METROLOGY AND CALIBRATION SERVICES

Primary metrology laboratory or national coordinator

2.1

Phone:_____ Fax:_____ Internet: _____ Website:_____
This is a ☐ government body, ☐ private sector organization, ☐ other: _____

Annual budget $_____million. Portion of revenue from fees for services ____%;
government subvention ____%
Member BIPM since _____. Regional affiliations: ____

Accreditor of calibration laboratories:

2.2

Phone:_____ Fax:_____ Internet: _____ Website:_____
This is a ☐ government body, ☐ private sector organization, ☐ other: _____
Number of accreditated secondary calibration labs:_____

Legal metrology administrator

2.3

Phone:_____ Fax:_____ Internet: _____ Website:_____
This is a ☐ government body, ☐ private sector organization, ☐ other: _____
Member OIML since _____.

3. STANDARDS DEVELOPMENT AND ADOPTION

Primary standards body

3 1

Phone:_____ Fax:_____ Internet: _____ Website:_____
This is a ☐ government body, ☐ private body officially recognized by government, ☐ private sector organization, ☐ other: _____
Annual budget $___million. Portion of revenue from sales of publications ___%; certification and testing ___%; private sector subscription ___%; government subvention___%
Founded ____; staff ___; total number of committee members_____

Number of standards published or approved by primary standards body _____; voluntary ___%; mandatory ___%.
Number of other standards bodies: national government _____; private sector _____

Total number of publicly available standards_____
Identical to, technically equivalent, or based on international standards ___%
Participate in:☐ ISO,☐ IEC,☐ ITU,☐ FAO/Codex, Other international:_____
Regional: _____

4. TESTING AND PRODUCT CERTIFICATION

National coordinator of laboratory accreditation

4.1

Phone:_____ Fax:_____ Internet: _____ Website:_____
This is a ☐ government body, ☐ private sector organization, ☐ other: _____
Participate in: International: _____ Regional: _____

Government accreditor(s) of testing laboratories

4.2

Phone:_____ Fax:_____ Internet: _____ Website:_____
Number of government accredited testing laboratories_____; foreign accredited _____.
Number of EU recognized Notified Bodies: _____

Private-sector accreditor(s) of testing laboratories

4.3

Phone:_____ Fax:_____ Internet: _____ Website:_____
Number of private-sector accredited testing laboratories_____
Countries with laboratory accreditation MOUs or MRAs: _____

Number of accredited product certifiers: government agencies and institutions _____; private sector_____

Government accreditor(s) of product certifiers:

4.4

Phone:_____ Fax:_____ Internet: _____ Website:_____
Countries with product certification MOUs or MRAs:_____

Private-sector accreditor(s) of product certifiers

4.5

Phone:_____ Fax:_____ Internet: _____ Website:_____

5. QUALITY MANAGEMENT REGISTRATION

Coordinator national quality awareness and implementation

5.1

Phone:_____ Fax:_____ Internet: _____ Website:_____

Number of facilities registered to ISO 9001 or 9002, or national equivalents: _____
Number of quality registrars geographically located in your country:_____
Number of quality registrars accredited by the national accreditor:_____

National accreditor of quality management system registrars

5.2

Phone:_____ Fax:_____ Internet: _____ Website:_____
This is a ☐ government body, ☐ private sector organization, ☐ other: _____
Countries with quality registration MOUs or MRAs:_____
Foreign quality system registrars ☐ are ☐ are not required to be registered/listed by the national accreditor.
Participate in:☐ ISO/TC 176: Regional:_____

Certifier of quality assessors:

5.3

Phone:_____ Fax:_____ Internet: _____ Website:_____
This is a ☐ government body, ☐ private sector organization, ☐ other: _____

6. RELATED INFORMATION

Accreditation/Certification of MSTQ related services

	Voluntary	Mandatory	
A	☐	☐	Third-party technical inspection organizations
B	☐	☐	Welders
C	☐	☐	Non-destructive testing technicians
D	☐	☐	Quality Assessor certification bodies
E	☐	☐	Quality Assessor training providers
F	☐	☐	Quality training providers
G	☐	☐	Quality consultants
H	☐	☐	Other: _____

Responsible accrediting/certifying organizations are:

6.1	A	6.5	E
6.2	B	6.6	F
6.3	C	6.7	G
6.4	D	6.8	H

If necessary, attach additional pages.

Environmental management systems

National standards ☐ exist, ☐ do not exist
Number of facilities at which these standards are implemented_____.
Number of EMS registrars geographically located in your country: _____.
Number of EMS registrars accredited by the national accreditor: _____

National accreditor of environmental management system registrars

6.9

Phone:_____ Fax:_____ Internet: _____ Website:_____
This is a ☐ government body, ☐ private sector organization, ☐ other: _____
Participate in:☐ ISO/TC 207; Regional; _____

WTO Enquiry Point(s):

6.10

Phone:_____ Fax:_____ Internet: _____ Website:_____
A list of all mandatory standards is available ☐ yes, ☐ no in the following language(s):_____

A list of all publicly available standards is available ☐ yes, ☐ no in the following language(s):_____

APPENDIX II
LIST OF ACRONYMS AND INITIALS

ACCSQ	ASEAN Consultative Committee for Standardization and Quality
AFNOR	Association Française de Normalisation
AIDMO	Arab Organization for Industrial Development and Mines
APEC	Asia Pacific Economic Cooperation
APEC/SCSC	APEC Subcommittee on Standards and Conformance
APLAC	Asia-Pacific Laboratory Accreditation Cooperation
APLMF	Asia-Pacific Legal Metrology Forum
APMP	Asia-Pacific Metrology Program
ARSO	African Regional Organization for Standardization
ASEAN	Association of South East Asian Nations
BIPM	Bureau International des Poids et Mesures
CARICOM	Caribbean Community and Common Market
CARIMET	Caribbean Metrology Program
CASCO	ISO Council Committee on Conformity Assessment
CCSQ	Cooperative Council on Standards and Quality
CEN	European Committee for Standardization
CENELEC	European Committee for Electrotechnical Standardization
CIS	Commonwealth of Independent States
CMEA	Council for Mutual Economic Assistance
CMN	Mercosur Standardization Committee
COOMET	Cooperative Organization on Metrology
COPANT	Comisión Panamericana de Normas Técnicas
DIN	Deutsches Institut für Normung
EAC	European Accreditation Cooperation
EAL	European Cooperation for Accreditation Laboratories
EFTA	European Free Trade Association
EMAS	European Eco-Management and Audit Scheme
EMS	Environmental Management Systems
EN	European Norms
EOQ	European Organization for Quality
EOTC	European Organization for Testing and Certification
ETSI	European Telecommunications Standards Institute
EU	European Union
EUROMET	European Metrology Program
FAO/CODEX	Food and Agricultural Organization/Codex Alimentarius Commission
FSU	Former Soviet Union
FTAA	Free Trade Area of the Americas
GDP	Gross Domestic Product
IAF	International Accreditation Forum

IATCA	International Auditor and Training Certification Association
IEC	International Electrotechnical Commission
IECEE/CB	IEC System for Conformity Testing to Standards for Safety of Electrical Equipment, Certification Bodies Scheme
ILAC	International Laboratory Accreditation Cooperation
IMEKO	International Measurement Confederation
ISO	International Organization for Standardization
ITU	International Telecommunications Union
JISC	Japanese Industrial Standards Committee
JUNAC	Junta Andina Comisión
MERCOSUR	Mercado Comun del Cono Sur
MOU	Memorandum of Understanding
MRA	Mutual Recognition Agreement
MSTQ	Metrology, Standardization, Testing, and Quality
NAFTA	North American Free Trade Agreement
NIST SP	National Institute of Standards and Technology Special Publication
NORAMET	North American Metrology Program
OIML	Organisation International de Métrologie Légale
OPEC	Organization of Petroleum Exporting Countries
PAC	Pacific Accredition Cooperation
PASC	Pacific Area Standards Congress
QMS	Quality Management Systems
QSAR	Quality Systems Assessment Recognition (ISO/IEC)
SIM	Sistema Interamericano de Metrologia
TBT	Technical Barriers to Trade
WELMEC	European Cooperation in Legal Metrology
WPO	World Packaging Organization
WTO	World Trade Organization

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